



# Sectional garage doors

**NEW:** Generation 4 garage door operators, now with even faster door opening, whilst offering even more convenience with smart functions

**HÖRMANN**

## Benefit from numerous advantages

Sectional doors open vertically upwards and are suspended under the ceiling to save space. This construction principle means you can make full use of the space inside and in front of the garage. Sectional garage doors can be fitted in any garage opening and offer up to 14 cm more passage width than up-and-over doors. They are also optimally sealed with flexible and weather-resistant seals on all four sides.

Treat yourself to this comfort and convenience.



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Some of the doors shown are equipped with optional extras and do not always correspond to the standard versions.

The surface finishes and colours shown are subject to the limitations of the printing process and cannot be regarded as binding.

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## The sectional door – which one is right for me?

There are several aspects to consider when deciding on a new sectional garage door. The days of boring, functional metal doors are long gone. A huge choice of sectional doors that combine function, appearance and security is now available. We have compiled compact information on all important garage door details, to ensure you can concentrate on the essentials when purchasing a door.

### Material – steel or timber?

The typical materials for garage doors are timber and steel. **Steel garage doors are heavy-duty and durable.** Rain runs off without leaving any streaky marks thanks to the use of hot-galvanized material and a high-quality polyester-primer coating on both sides, which also protects against rust. Steel sectional doors are insulated with a rating of good to very good, offer countless design possibilities and are very easy to clean.

Real timber garage doors are available in various designs and **go very well with houses featuring lots of timber elements.** Because wood is a natural resource, timber garage doors require lots of care and are comparatively expensive. Regular care of timber garage doors is therefore particularly important to protect the wood in the long-term.

**The facade door is a particular highlight amongst garage doors,** because it can be clad in the material of the house facade and therefore almost invisibly integrated into the building design.

### Thermal insulation – why is it important?

The subject of **insulation is particularly important when the garage is connected directly to the house** or is used as a workshop or hobby room.

Double-skinned sectional doors have very good thermal insulation properties. In addition, they feature particularly quiet door travel thanks to the sturdy door leaf. Additional plastic profiles with extra seals minimise the thermal bridge between the wall and frame. These profiles **can improve the insulation by a further 15 percent.**

### Operators – what are their advantages?

Garage door operators are now practically always standard equipment on garage doors. Automatically operated garage doors offer the advantage **that the garage door can be operated particularly conveniently with the hand transmitter directly from the car.** Smart Home solutions mean it is now possible to open garage doors at any time and from anywhere using a smartphone. Operators also offer increased **protection against break-ins** because a lock means they cannot be lifted up when the door is closed. Attention should be paid to an anti-lift kit that also works in case of power failure.

## Garage entrances – which doors are available?

A door integrated in the garage door is recommended if the garage is not directly accessible from the house. So-called wicket doors are practical because **the garage door does not need to be fully opened every time**, for example if you need a bike. The wicket door should have a low threshold rail to minimise the risk of tripping. For large garages, a garage side door without a threshold rail can also be used.



▲ A practical wicket door means you can retrieve bicycles from your garage without opening the door fully.

▼ Double-skinned sectional doors with high thermal insulation are recommended if your garage is also used as a hobby room.



## GOOD REASONS TO TRY HÖRMANN

“A good reputation must be earned.”

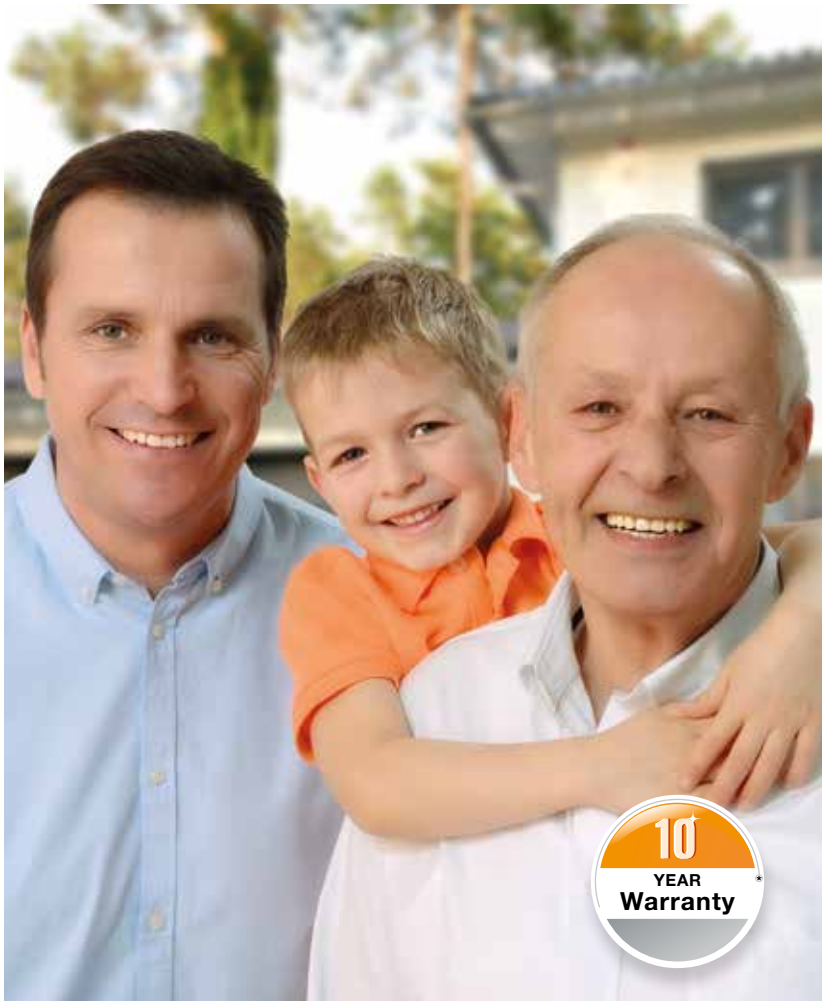
August Hörmann

In keeping with the tradition started by the company's founder, the Hörmann brand today is a true promise of quality. The family-owned company has over 80 years of experience in door and operator construction and, with sales of over 20 million doors, is no. 1 in Europe. This makes a Hörmann sectional door a reassuring purchase.



# 1 “Made in Germany”

All essential doors and operator components are developed and manufactured by Hörmann, are **perfectly matched to each other** and **tested and certified** by independent, recognised institutes to ensure your safety. They are manufactured in Germany according to the DIN ISO 9001 quality management system and meet the requirements of European standard 13241. Furthermore, our highly qualified employees work intensively on new products, continual further developments and improvements to details. The results are patents and unique products on the market.



## 2 Brand quality for generations

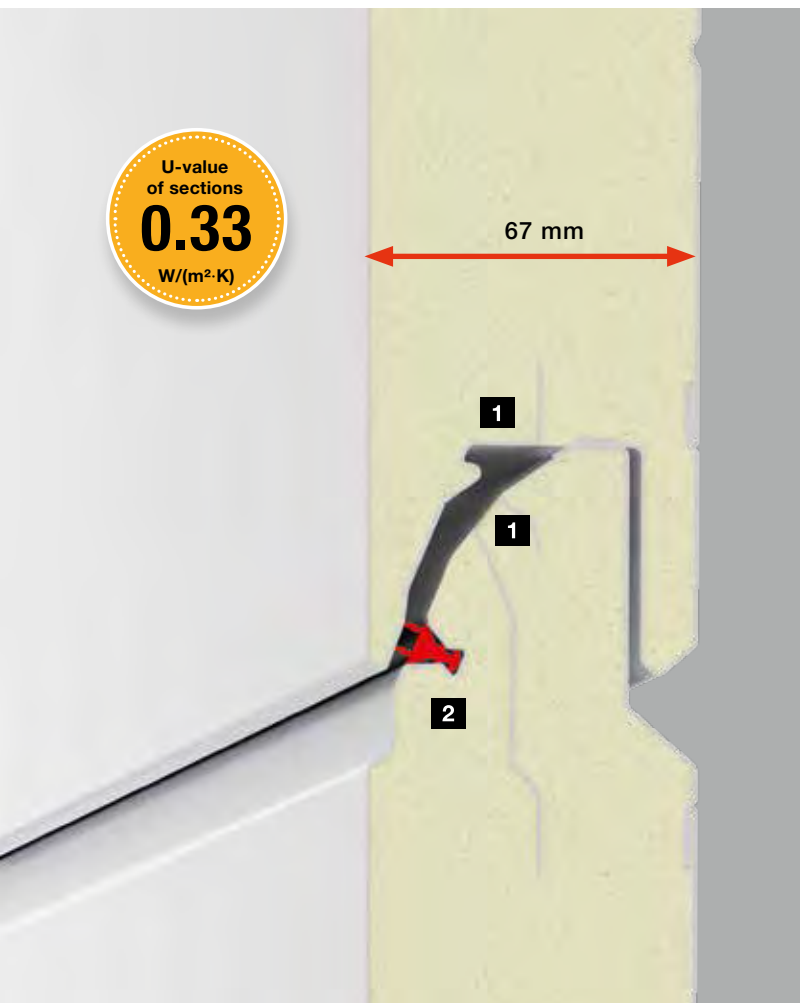
Endurance tests under real-life conditions ensure mature series products with Hörmann quality. Thanks to this, as well as excellent technical solutions and uncompromising quality assurance, you receive a **10-year warranty on all Hörmann sectional doors and a 5-year warranty on Hörmann operators.\***

\* The complete warranty conditions can be found at:  
[www.hormann.co.uk](http://www.hormann.co.uk)

## 3 An eye on the future

Hörmann is setting a good example. This is why the company obtains **100% of its energy consumption from green sources**. Together with an intelligent and certified energy management system, CO<sub>2</sub>-neutral mailing and the recycling of valuable materials, **more than 40000 tons of CO<sub>2</sub> are saved each year**. And last but not least, Hörmann also offers products for sustainable construction.

## GOOD REASONS TO TRY HÖRMANN



## 4 Modern energy-saving door

Double-skinned sectional doors are particularly recommended for garages attached directly to the house. In addition to the LPU 42 with very good thermal insulation, the **LPU 67 Thermo** offers everything that is expected from modern construction: **excellent thermal insulation achieved by sections with a thermal break 1** with a U-value of  $0.33 \text{ W/(m}^2\cdot\text{K)}^*$ , a very good seal on spaces between sections with double lip seals **2** and an optimum floor connection using double bottom seals, which also compensate for floor unevenness and energy losses.

For further information, see page 81.

\* U-value of door (5000 x 2125 mm):  $1.0 \text{ W/(m}^2\cdot\text{K)}$

## 5 Efficient thermal insulation

**! Only from Hörmann**

With the **Hörmann ThermoFrame** you can improve the already high insulation values, especially of the double-skinned sectional doors. The black plastic profile is fitted together with the door frame. **Insulation is improved by 15%\*\*** thanks to the thermal break between the frame and brickwork. The optional ThermoFrame frame connection is available for all Hörmann sectional doors.

For further information, see page 86.

\*\* For a double-skinned sectional garage door LPU 42 size 5000 x 2125 mm



## 6 Optimum long-term protection

**Only from Hörmann**

A non-brittle, 4 cm **plastic frame shoe** covers the frame where it is prone to rusting and offers **long-term protection against corrosion**, even with waterlogging, which is unmatched by competitor solutions. Together with the door's bottom seal, the frame shoe makes for a bottom edge that is visually appealing.

## 7 Permanently beautiful Duragrains decors

**Only from Hörmann**

with high-strength protective coating

The Duragrains surface finish with 24 decors convinces with a **detailed, natural and colourfast door view**. An innovative **digital printing 1** on the **primer 2** of the **galvanized section 3** and a **final high-strength protective coating 4** ensure a permanently beautiful door view. The optional lintel and frame fascias are supplied in a colour matching the decor.

For further information, see pages 48 – 49.

## GOOD REASONS TO TRY HÖRMANN



## 8 A harmonious overall appearance



**Only from Hörmann**

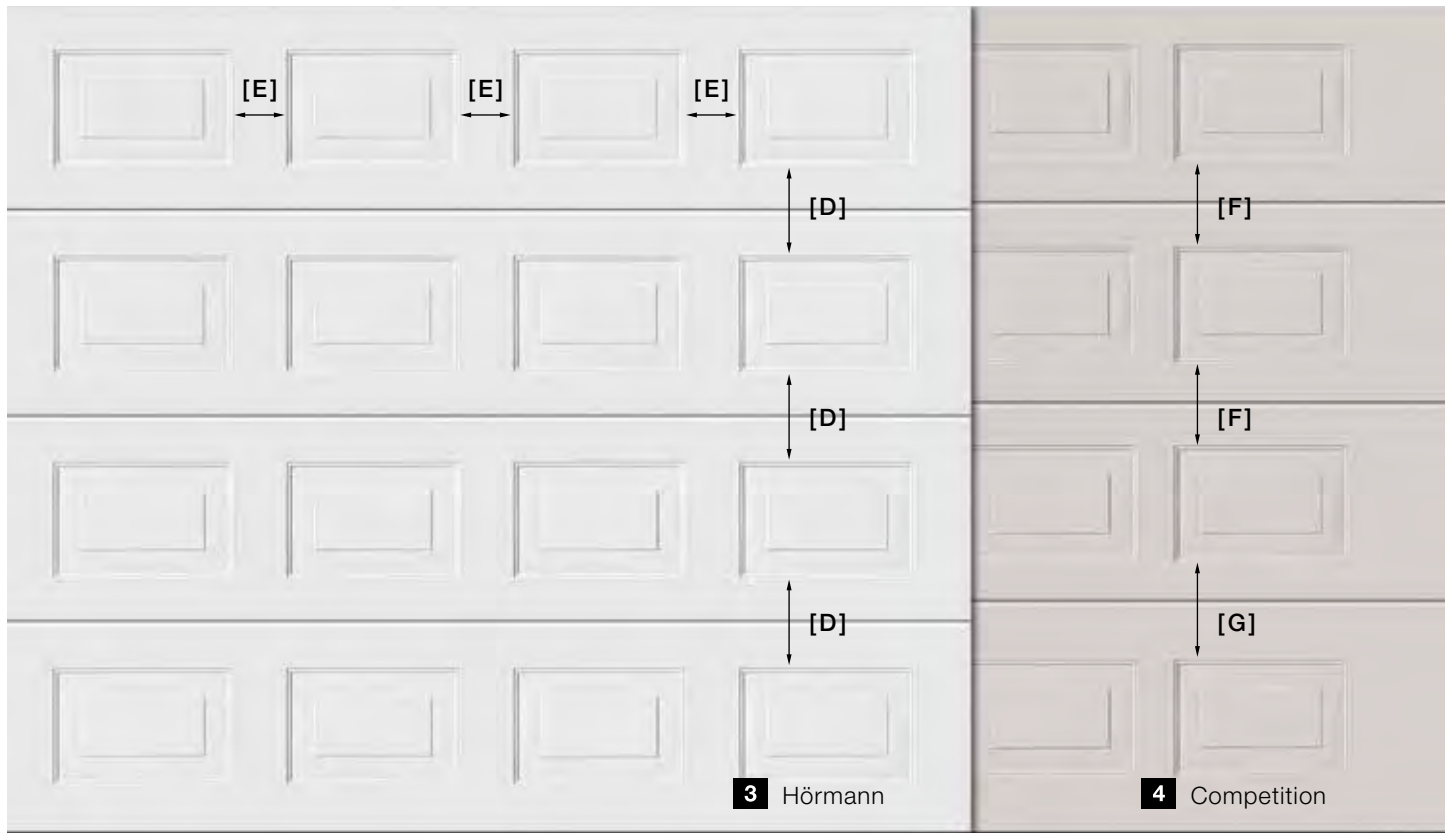
in all door sizes

### 1 Even spacing and invisible section transitions for ribbed doors

Hörmann garage doors are distinguished by even, exact spacing of sections **[A]**. The sections are shaped so that the transitions are practically invisible when the door is closed. See for yourself!

To add to the overall appearance, a practical side door with an alignment matching the sectional garage doors is also available. For further information, see pages 58 – 59.

**2 Irregular spacing of sections [B], [C]** due to different section heights coupled with visible section transitions on competitor doors. This gives the door an uneven look.



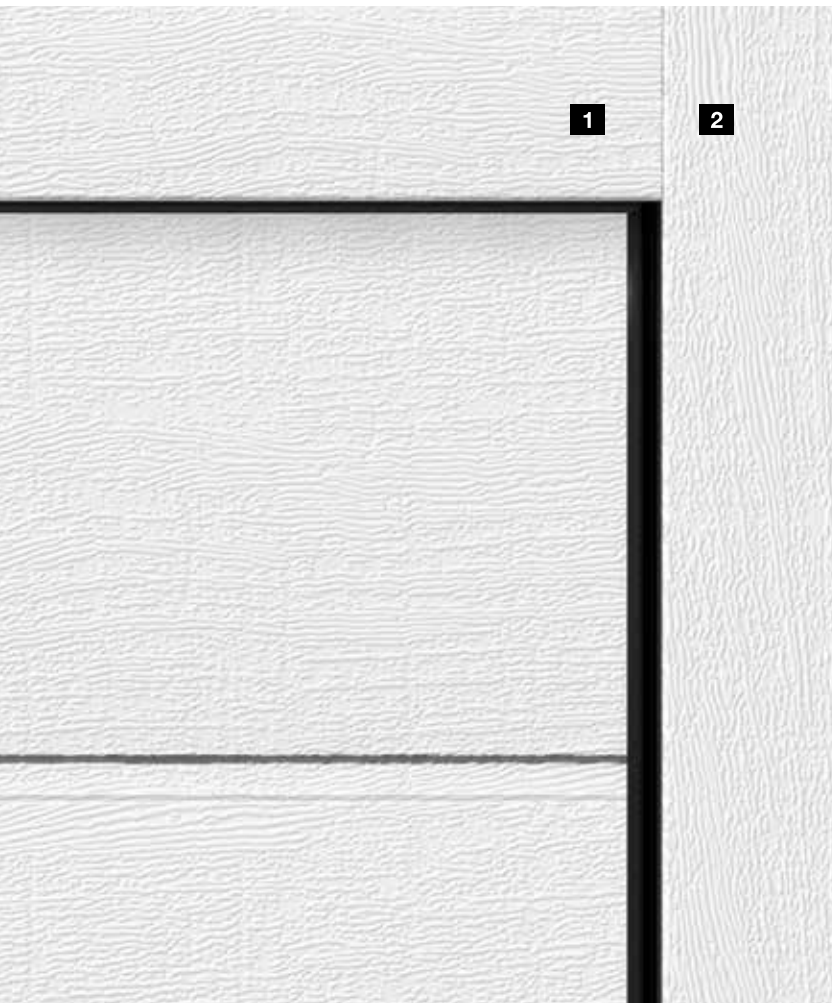
### **3 Uniformly divided panelled doors**

To create a harmonious overall appearance, the height of the spaces between the individual panels **[D]** of Hörmann sectional doors is exactly even. This is achieved by using sections with the same height across the entire door height. The horizontal spacing between the panels within a section **[E]** is also uniform. This gives the doors an even appearance.

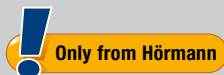
On request, side doors are also available with the same section spacing as the sectional garage door. For further information, see pages 58 – 59.

**4 Irregular panel spacing [F], [G]** due to different section heights on competitor doors. This gives the door an uneven look.

## GOOD REASONS TO TRY HÖRMANN



## 9 Matching appearance of frames and door leaves



The **harmonious appearance of a door** is the result of many small details: For white doors and all surface finishes, the fascia panel **1** is always provided matching the door sections. This ensures that everything fits together. The side frames **2** are available with a white Woodgrain surface finish\* as standard. For sectional doors with the surface finishes Sandgrain, Silkgrain or Decograin as well as coloured doors, the frame coverings are optionally available in the surface finish of the door section. For Duragrain doors, we optionally supply the frame cladding and the panels in a colour that matches the decor.

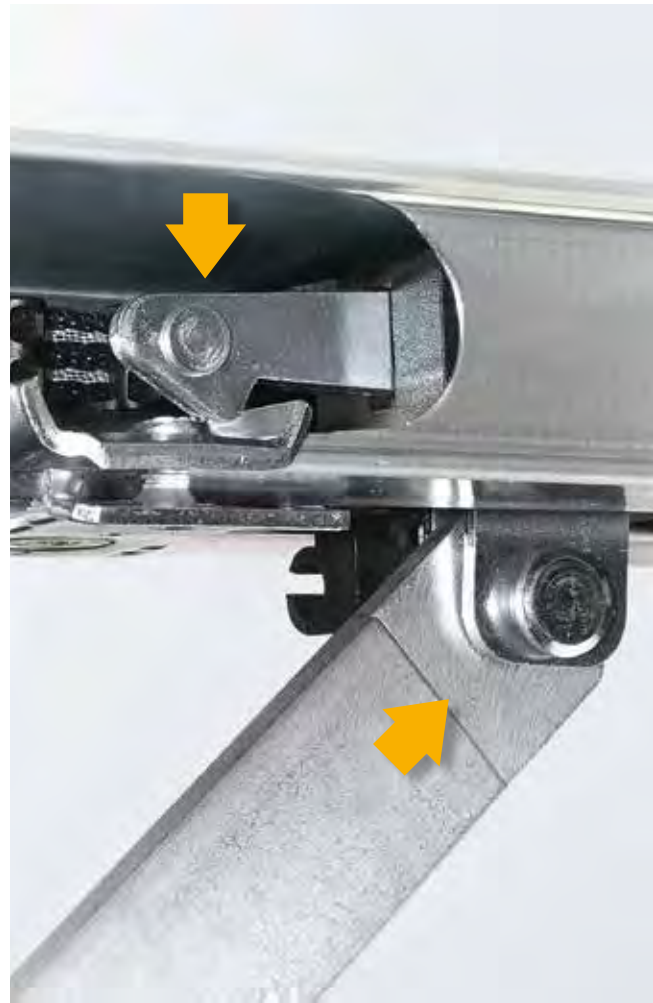
For further information, see page 62.

\* For LPU 67 Thermo and LPU 42 in the premium versions in Grey white RAL 9002

## 10 Flush-fitting fascia panels

For LPU 42 doors, a flush-fitting fascia panel is the **most elegant solution for an invisible transition** between the panel and door leaf. When the door is closed, the top door section **1** is flush with the panel **2**.

For further information, see page 64.



## 11 Practical solutions

An LPU 42 door with wicket door is recommended for easy passage **with a trip-free threshold** into your garage. You can also retrieve bicycles or gardening equipment from your garage without opening the door.

The stainless steel threshold is only 10 mm in the centre and 5 mm high at the sides. This makes it easier to wheel things through and reduces the risk of tripping.

For further information, see pages 56 – 57.

## 12 Added safety is a given



**Only from Hörmann**

Mechanical anti-lift kit in the operator boom

Uninvited guests barely stand a chance with Hörmann's automatic sectional doors. When the garage door is closed, the **anti-lift kit** automatically engages in the operator boom's stop, then **locks immediately and is secured against forced opening**. This patented door locking functions purely mechanically and, in contrast to competitor operators, continues to secure the door even when the power fails.



Take a look at the video "Garage door operators – reassuringly safe" at: [www.hormann.co.uk/videos](http://www.hormann.co.uk/videos)

## GOOD REASONS TO TRY HÖRMANN



# 13

## Certified safety



The bi-directional BiSecur radio system is based on **future-oriented technology** for the convenient and secure operation of garage and entrance gate operators, door operators, lights and more. This extremely secure BiSecur encryption protocol, developed by Hörmann, with a stable, interference-free range makes sure that no-one can copy your radio signal. It was tested and certified by security experts at Bochum university and independent test institutes.



Take a look at the video "BiSecur – the radio system with certified safety" at: [www.hormann.co.uk/videos](http://www.hormann.co.uk/videos)

# 14

## Perfectly aligned

**All BiSecur operators, receivers and control elements are 100 % compatible.**

By simply pressing the button on your hand transmitter or radio switch, you can operate your garage door and entrance gate as well as door operators or other devices with BiSecur receivers.

The BiSecur control elements are suitable for the operation of all Hörmann operators with a radio frequency of 868 MHz (year of manufacture 2003 – 06/2012) (querying the door position is not possible). **The standard HCP interface\* available in every Hörmann operator gives you even more options.** It makes it easy to network all Hörmann garage and entrance gate operators with external smart home systems.

\* HCP = Hörmann Communication Protocol



## 15 Convenient door querying

**You no longer have to go out in any wind and weather** to check if your door is closed. At the press of a button, the colour of the LED on the hand transmitter HS 5 BS or the internal push button FIT 5 BS indicates the position of the door. If required, another push of a button\* closes the door. It is the most convenient and secure way to control your door.

\* An additional photocell is required for operation without visual contact to the door.

## 16 Smart app operation

### **Hörmann BlueSecur**

Simply use your smartphone as a hand transmitter. **With the new Hörmann BlueSecur app, you can conveniently operate your garage door or entrance door via Bluetooth\*\*.** Additional user authorisations\*\*\* can easily be permanently or temporarily transferred to the smartphones of your family members. This ensures they always carry their personal "door and gate opener" with them on their smartphone.

\*\* In conjunction with an internal or optional Hörmann Bluetooth receiver

\*\*\* Additional purchases (in-app purchases) in the AppStore or Google Play may be required



Display of hand transmitter HS 5 BS

- 1** Door is open
- 2** Door is closed

## 5 reasons why garage door fitting should be left to the professionals

Bent doors, squeaky hinges, slow door opening – a lack of advice and mistakes when fitting the garage door yourself quickly spoil the pleasure of having a new door and could even cause serious injuries. If you want your door to be fully functional within a short period of time and you don't feel that you're a talented handyman, you should have professionals do the fitting. Trained specialist personnel knows about the different kinds of garage doors, offers good advice and professionally fits all components of the door.





▲ Your Hörmann partner will ensure proper disposal of your old garage door.

## Dismantling the old garage door for renovation

The old door generally has to be removed before the new garage door can be fitted. **However, care must be taken when dismantling the door leaves.** These can cause serious injuries because the door tension springs on up-and-over doors are under high tension or the door leaves could fall over. Anyone changing from an up-and-over door to a sectional door, for example, also needs to remove the wall and ceiling fixing so that the new components of the garage door can be fitted.

## Measuring the door opening

**Accuracy when measuring** is important so that the door fits the garage opening. Gradients need to be considered in some cases or the ceiling height of the garage is not sufficient to simply fit a new door. Older garages often have special dimensions that need to be observed and require special solutions. Incorrect measurement of the frame position can also be another problem when taking measurements. If the frame is fitted incorrectly, the garage door is difficult to open, makes noises when it is opened and closed or doesn't open in the first place. **Specialist partners take the measurements so that you don't need to worry about the right dimensions.** This means you can be sure of receiving the door to suit your needs, which fits perfectly in the garage opening when it is installed.

## Finding the right materials for wall fitting

The right **screws, plugs and equipment, such as drills, to suit the wall type** need to be selected before the garage door can be fitted. This depends on whether the wall is made of concrete or is steel-reinforced, for example. Because garage doors produce a high pull and push force when they are opened or closed, it is particularly important that the guide rails are fixed to the wall with the right materials.

## Fitting accessories, such as automatic operators

Automatic operators are an essential part of modern garage doors. **Operators should be considered directly during planning** so that they have space on the garage ceiling and form a unit with the door. Specialist partners can best judge which operators are suitable for which door. If you want to be sure that all parts are in the right place and that important safety functions including the automatic safety cut-out work properly, you should contact the professionals, such as the Hörmann sales partners.

## Disposing of old garage door parts correctly

After fitting of the new garage door, **proper and environmentally-friendly disposal** of the old door is important. Please note that especially old timber doors are not allowed to be simply used as fire wood, because they have usually been painted several times over the years. Old steel garage doors also have to be disposed of properly. Independent disposal with local waste disposal companies is usually complicated and expensive.

**Hörmann sales partners also take care of this step for you** and take the old door away after removal.



## OVERVIEW OF STEEL SECTIONAL DOORS

### LPU 67 Thermo

The energy-saving door impresses thanks to 67-mm-thick sections with thermal break, achieving excellent thermal insulation.

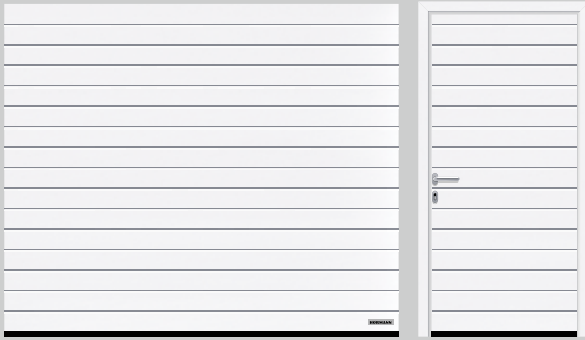
### LPU 42

The double-skinned LPU 42 door offers very good insulation with its 42-mm-thick sections.

### LTE 42

The single-skinned LTE 42 door is the inexpensive solution for detached garages that do not require additional thermal insulation.

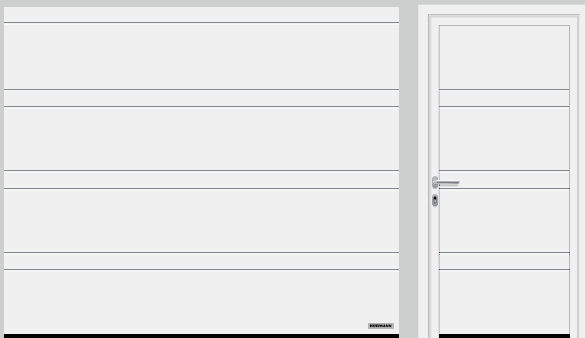




S-ribbed (LPU 42, LTE 42), Traffic white RAL 9016



M-ribbed (LPU 67 Thermo, LPU 42, LTE 42), Traffic white RAL 9016



D-ribbed (LPU 42), Traffic white RAL 9016



T-ribbed (LPU 42), Traffic white RAL 9016



L-ribbed (LPU 67 Thermo, LPU 42), Traffic white RAL 9016

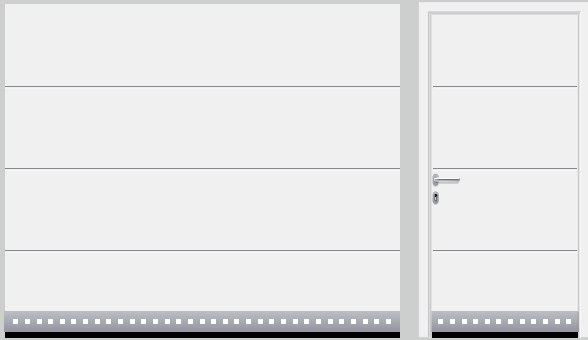


Panelled (LPU 42, LTE 42), Traffic white RAL 9016

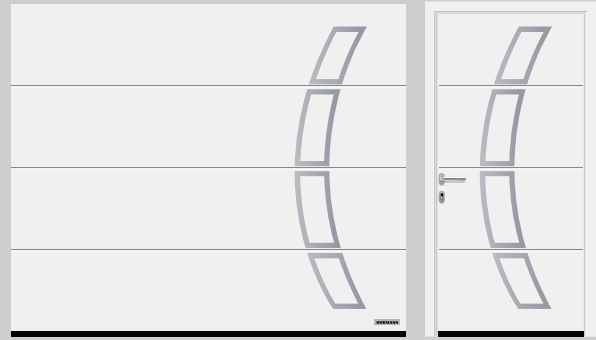
**Note**

All LPU 42 door styles are also available with wicket door. For further information, see pages 56 – 57.

## OVERVIEW OF STEEL SECTIONAL DOORS



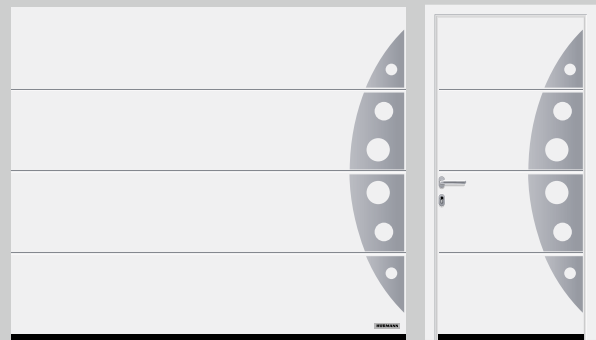
L-ribbed (LPU 67 Thermo, LPU 42),  
design element style 450, Traffic white RAL 9016



L-ribbed (LPU 67 Thermo, LPU 42),  
design element style 457, Traffic white RAL 9016



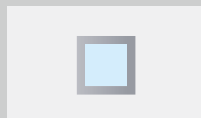
T-ribbed (LPU 42), inlay element style 501 in stainless steel look,  
design element style 454, Traffic white RAL 9016



L-ribbed (LPU 67 Thermo, LPU 42),  
design element style 458, Traffic white RAL 9016



Style 451



Style 461



Style 452



Style 462



Style 471



Style 481



Style 459



Style 469



Style 453\*



Style 463\*



Style 455\*



Style 460\*



Style 472\*



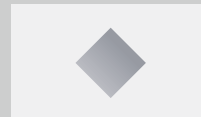
Style 482\*



Style 473\*



Style 483\*



Style 474\*



Style 475\*



Style 456

### Individual design styles

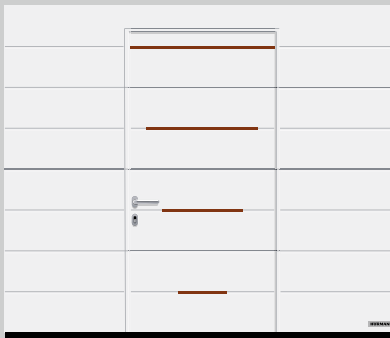
You can individually position and combine the design elements on your door, as shown in the door views. You can design your own door style. Doors with a wicket door are also available with design elements. Your Hörmann partner would be pleased to advise you.



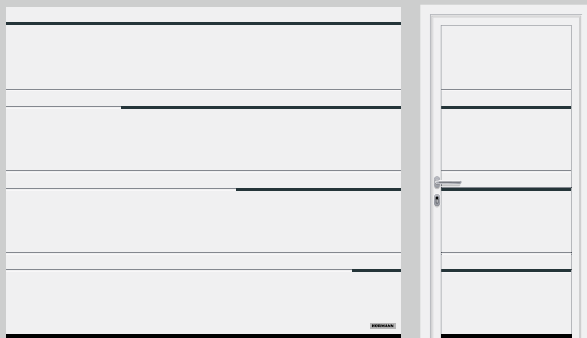
Design element with  
optional real glass\* for  
design styles 461 and  
481



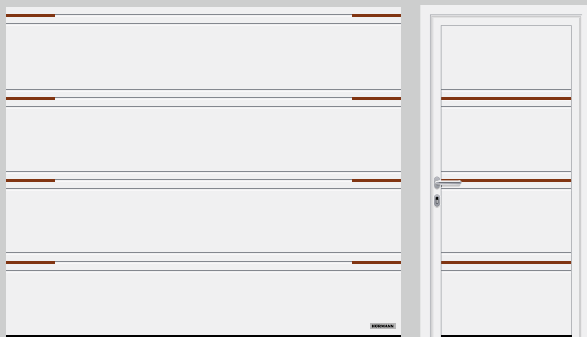
Design element with  
stainless steel and  
synthetic glazing



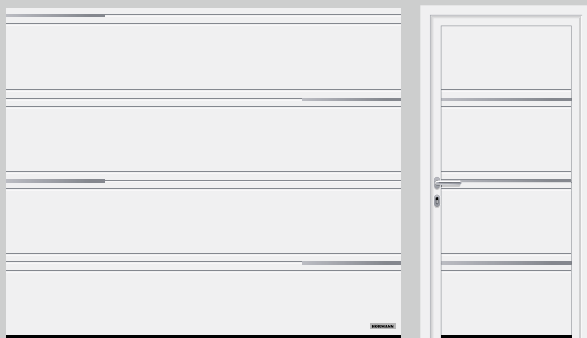
M-ribbed (LPU 42), inlay element style 504 in timber look, in the wicket door, Traffic white RAL 9016



D-ribbed (LPU 42), inlay element style 502 in Anthracite grey RAL 7016, Traffic white RAL 9016



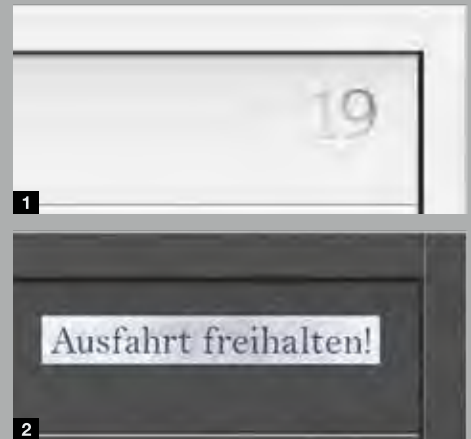
T-ribbed (LPU 42), inlay element style 500 with divided inlays in timber look, Traffic white RAL 9016



T-ribbed (LPU 42) inlay element style 503 in stainless steel look, Traffic white RAL 9016

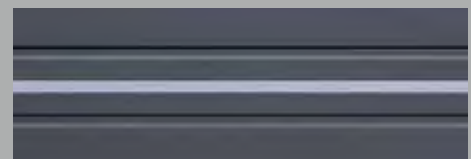
## Stainless steel design elements “numbers and words” ■ **NEW**

Design your sectional garage door LPU 42 with the house number in positive characters **1** or with the street name and additional texts in negative characters **2**. You have the choice between Modern **1** and Classic **2** fonts (only for ribbed styles).



## Special accent with inlays

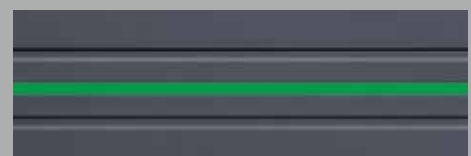
M-ribbed, D-ribbed and T-ribbed doors are available in various inlay versions: e.g. continuous inlays run along the whole door width on style 501, while divided inlays, each 435 mm wide, are positioned on the left and right edges of door style 500.



T-ribbed with inlays in stainless steel look



T-ribbed with inlays in timber look



T-ribbed with inlays in RAL to choose (Fig. shows inlay in RAL 6018)

## OVERVIEW OF STEEL SURFACE FINISHES

### 1 Woodgrain

On this inexpensive, robust surface with an authentic sawn timber look, minor scratches can be easily repaired. This surface finish is available in Traffic white RAL 9016, in 15 preferred colours or in RAL to choose.

### 2 Sandgrain

The finely textured surface is an ideal choice for price-conscious owners and is particularly suited for modern homes. Available in Traffic white RAL 9016 and in 3 preferred colours.

### 3 Silkgrain

Thanks to its elegant door appearance, the silky smooth Silkgrain surface finish is the first choice for modern architecture. A 50% thicker exterior sheet on the sections also ensures higher stability and even smoother running. This surface finish is available in Traffic white RAL 9016, in 15 preferred colours or in RAL to choose.

### 4 Decograin

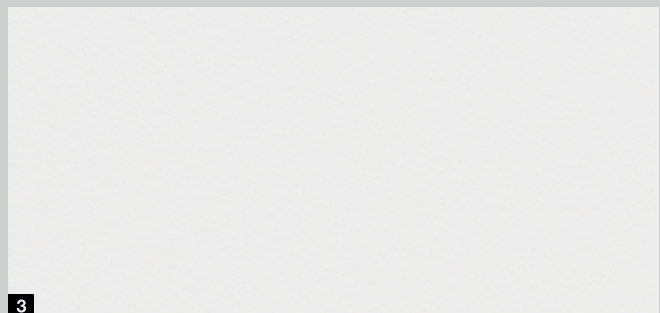
Decograin surface finishes with UV-resistant plastic film coating give your sectional door a striking and authentic timber look or an elegant metallic appearance in Anthracite. You can select from 5 natural timber decors or an elegant metallic decor.

### 5 Duragrain

For the Duragrain surface finish with its detailed, natural and colourfast door surface, you can choose from 24 decors.

The innovative digital printing process in combination with the final high-strength protective coating guarantees a permanently beautiful door view.

## Steel surface finishes



## OVERVIEW OF ALUMINIUM FRAME DOORS

# ART 42 / ART 42 Thermo

The Hörmann aluminum frame door with standard profile **1** or profile with thermal break **2** impresses with more light in the garage or better ventilation in the parking boxes of collective garages.



Door version with evenly spaced sections



Door version with evenly spaced window sections

### Overall harmonious appearance

The harmonious overall appearance is created by the even distribution of the glazing frames **A** or the window sections **B**. The aluminium frame door is available in 16 preferred colours or RAL to choose. The 42-mm-thick aluminium frame is coated in Traffic white RAL 9016 as standard.

### Profile versions



ART 42

ART 42 Thermo

### Infill variations



Polycarbonate double pane, clear  
Synthetic double pane, clear



Synthetic double pane, crystal texture



Multiple-moulded pane



PU sandwich infill, smooth  
■ NEW



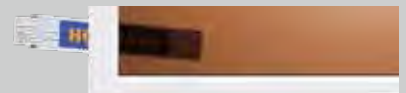
Perforated stainless steel sheet



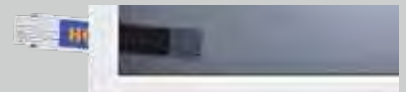
Crimped mesh



Synthetic double pane, white tinted (opal)



Synthetic double pane, brown tinted



Synthetic double pane, grey tinted



PU sandwich infill, Stucco  
■ NEW



Stainless steel expanded mesh

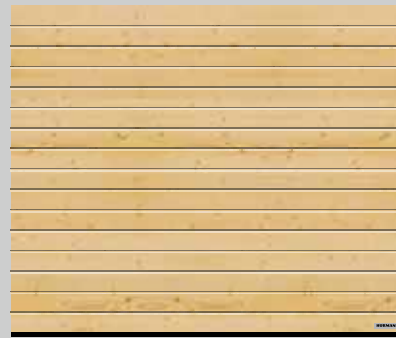


Welded grille

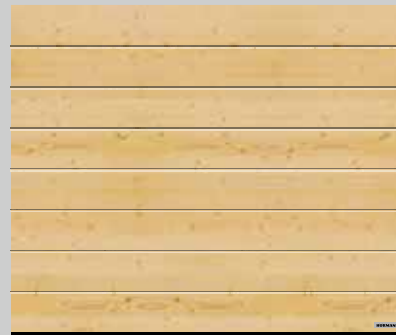
## OVERVIEW OF SOLID TIMBER SECTIONAL DOORS

## LTH 42

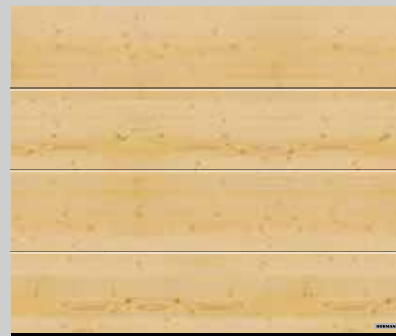
Solid timber doors with a smooth or the brushed surface finish are excellently suited for timber houses or buildings with many timber elements, such as timber framing or facade elements. Choose from 9 door styles or design your own timber door: With the help of a computer milling machine, we will manufacture your individual door.



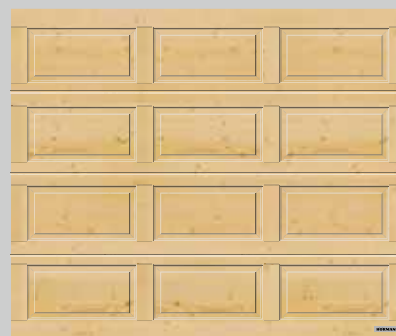
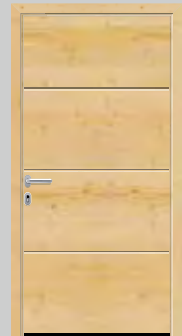
S-ribbed, Nordic Pine



M-ribbed, Nordic Pine



L-ribbed, Nordic Pine



Panelled, Nordic Pine

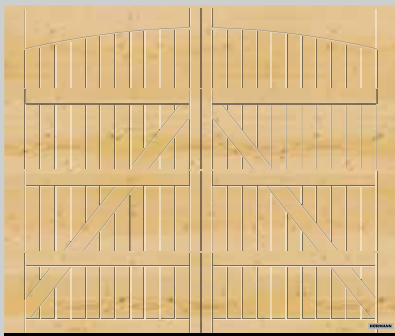




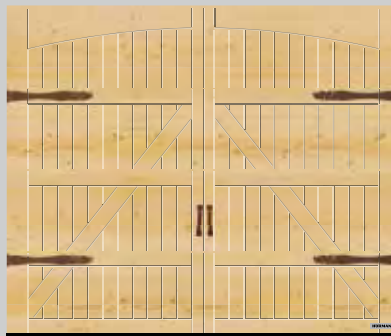
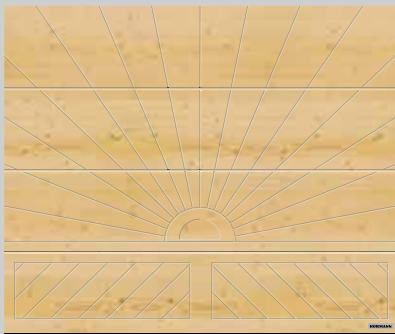
Style 401, Nordic Pine



Style 402, Nordic Pine



Style 405, Nordic Pine

Style 405, with optional hinged door fittings  
"Exclusive", Nordic Pine

Style 403, Nordic Pine



Style 404, Nordic Pine

## Setting accents

In styles 403 and 404, natural stone is used as an attractive design feature. Choose from the 3 natural stones Tropical green, Multicolour red and Balmoral rosso (variations in colour and texture are a natural characteristic).



Tropical green

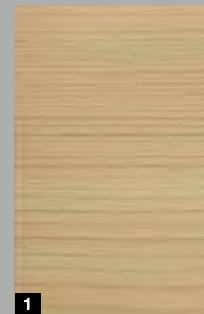


Multicolour red



Balmoral rosso

## Types of timber



1



2



A



B

### 1 Nordic Pine

Nordic Pine is a light-coloured softwood with predominantly straight graining. Heart shakes, individual resin pockets, spiral graining and the yellowish brown "knots" are natural characteristics of the wood.

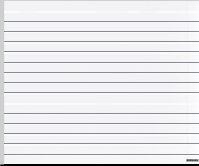
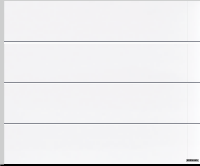
### 2 Hemlock

Hemlock is a greyish white to light-greyish brown softwood with predominantly straight grain, brown mineral stripes along the grain with bark pockets.

### A B Brushed surface finish

The brushed timber texture makes the natural grain of the wood visible and palpable.

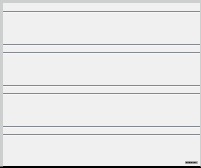
## GENERAL OVERVIEW

|                                                       |                                                                                   |                                                                                                  |                                                                                                  |
|-------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                                                       |  |                 |               |
|                                                       | S-ribbed                                                                          | M-ribbed                                                                                         | L-ribbed                                                                                         |
| LPU 67 Thermo<br>Double-skinned steel sectional doors |                                                                                   |                                                                                                  |                                                                                                  |
| Silkgrain                                             |                                                                                   | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                                  | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                                  |
| Decograin                                             |                                                                                   | 3 decors: Golden Oak, Dark Oak,<br>Titan Metallic CH 703                                         | 3 decors: Golden Oak, Dark Oak,<br>Titan Metallic CH 703                                         |
| Max. width<br>Max. height                             |                                                                                   | 5000 mm<br>3000 mm                                                                               | 5000 mm<br>3000 mm                                                                               |
| LPU 42<br>Double-skinned steel sectional doors        |                                                                                   |                                                                                                  |                                                                                                  |
| Woodgrain                                             | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                   | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                                  | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                                  |
| Sandgrain                                             |                                                                                   | Traffic white RAL 9016<br>3 preferred colours                                                    | Traffic white RAL 9016<br>3 preferred colours                                                    |
| Silkgrain                                             |                                                                                   | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                                  | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose                                  |
| Decograin                                             |                                                                                   | 6 decors: Golden Oak, Dark Oak,<br>Night Oak, Rosewood, Winchester<br>Oak, Titan Metallic CH 703 | 6 decors: Golden Oak, Dark Oak,<br>Night Oak, Rosewood, Winchester<br>Oak, Titan Metallic CH 703 |
| Duragrain                                             |                                                                                   |                                                                                                  | 24 decors                                                                                        |
| Max. width<br>Max. height                             | 6000 mm<br>3000 mm                                                                | 6000 (7000*) mm<br>3000 (5000*) mm                                                               | 6000 (7000*) mm<br>3000 (5000*) mm                                                               |
| LTE 42<br>Single-skinned steel sectional doors        |                                                                                   |                                                                                                  |                                                                                                  |
| Woodgrain                                             | Traffic white RAL 9016                                                            | Traffic white RAL 9016                                                                           |                                                                                                  |
| Max. width<br>Max. height                             | 5000 mm<br>3000 mm                                                                | 3000 mm<br>3000 mm                                                                               |                                                                                                  |

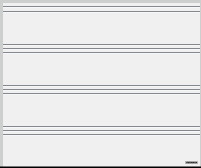
\* As sectional door SPU F42 Plus (for further information, see pages 82 / 83)

**Please note:**

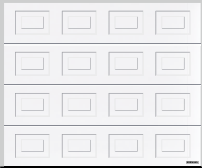
Detailed size ranges can be found on page 88.



D-ribbed



T-ribbed



Panelled

|                                                                 |                                                                 |                                                                           |
|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------|
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose           |
| Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose |                                                                           |
|                                                                 |                                                                 | 5 decors: Golden Oak, Dark Oak,<br>Night Oak, Rosewood, Winchester<br>Oak |
| 6000 mm<br>3000 mm                                              | 6000 mm<br>3000 mm                                              | 5500 mm<br>3000 mm                                                        |
|                                                                 |                                                                 |                                                                           |
|                                                                 |                                                                 | Traffic white RAL 9016                                                    |
|                                                                 |                                                                 | 3000 mm<br>3000 mm                                                        |

## GENERAL OVERVIEW



ART 42



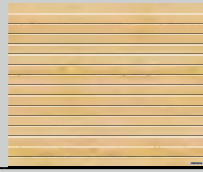
ART 42 Thermo

### Aluminium frame door

|             |                                                                 |                                                                 |
|-------------|-----------------------------------------------------------------|-----------------------------------------------------------------|
| Frame       | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose | Traffic white RAL 9016<br>15 preferred colours<br>RAL to choose |
| Infills     | 11 variants                                                     | 11 variants                                                     |
| Max. width  | 5500 mm                                                         | 5500 mm                                                         |
| Max. height | 3000 mm                                                         | 3000 mm                                                         |

**Please note:**

Detailed size ranges can be found on page 88.



S-ribbed

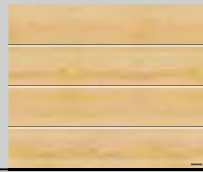


M-ribbed

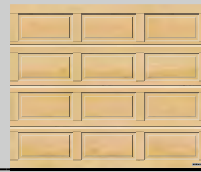
## LTH

## Solid timber sectional doors

|             |                                                 |                                                 |
|-------------|-------------------------------------------------|-------------------------------------------------|
| Nordic Pine | 8 types of wood preservative<br>Brushed surface | 8 types of wood preservative<br>Brushed surface |
| Hemlock     | 8 types of wood preservative<br>Brushed surface | 8 types of wood preservative<br>Brushed surface |
| Max. width  | 5000 mm                                         | 5000 mm                                         |
| Max. height | 3000 mm                                         | 3000 mm                                         |



L-ribbed



Panelled

## LTH

## Solid timber sectional doors

|             |                                                 |                              |
|-------------|-------------------------------------------------|------------------------------|
| Nordic Pine | 8 types of wood preservative<br>Brushed surface | 8 types of wood preservative |
| Hemlock     | 8 types of wood preservative<br>Brushed surface | 8 types of wood preservative |
| Max. width  | 5000 mm                                         | 5000 mm                      |
| Max. height | 3000 mm                                         | 3000 mm                      |

**Please note:**

Detailed size ranges can be found on page 88.

# How to keep your home safe

## Ensuring a safe environment for children

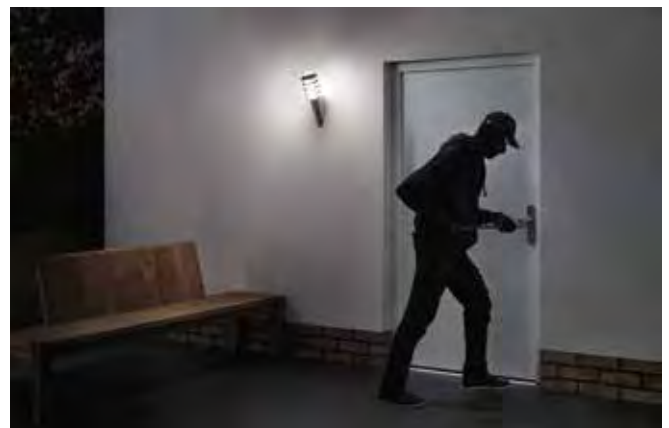
When garage doors become old, most people initially think of the outdated appearance. Many are not aware that the worn parts or an incorrect fitting can result in dangers that can lead to serious accidents. Building owners and redevelopers should therefore always pay attention to a **stop and reverse mechanism** on automatically operated garage doors. This ensures that the door stops as soon as it hits an obstacle. **This primarily protects playing children as well as pets;** the stop function prevents them from getting caught by the door.

## Fire-rated doors ensure safety in the event of fire

Fire-rated doors can save lives in the event of a fire because they ensure that the fire does not cross over to adjacent rooms and, in the worst case, block escape routes. **Fire-rated doors are even stipulated by law** in areas at particular risk, **such as the transition point from the garage into the living area.** The apartment entrance doors developed for this use are not only fire-retarding, but also come with acoustic rating and with break-in-resistant RC 2 equipment as standard. This door can be optionally supplied as a smoke-tight version.



Our own four walls are the place where we feel at home, allowing us to relax and giving us a sense of security. For most people, safety means thinking about burglar-proof aspects. However, a safe home not only involves the best protection against intruders, but also the safest possible environment for playing children and safety in the event of a fire. In this advice section, we will inform you about the most important aspects of a secure home, which you should consider when building or modernising your home.



## Protecting against break-ins and deterring intruders

If you are looking for the best protection against break-ins, you should select a high resistance class when choosing doors; whether it's an entrance door, side entrance or cellar door. The higher the specified class, the more time and effort an intruder needs to gain access to the house.

Because **cellar and side doors are still the most popular entry points into your house or garage for burglars**, this is exactly where you should use break-in-resistant RC 2 side doors. **For entrances, we recommend high-quality aluminium entrance doors with RC 3 security equipment as standard.**

Garage doors can also pose a security risk if they can be easily forced open. Unlike doors from other manufacturers, Hörmann automatic garage doors have a special anti-lift kit, which even prevents the door from being forced open in case of a power failure.

## S-RIBBING



▲ S-ribbed in Woodgrain Fir green RAL 6009 with optional stainless steel house number

► S-ribbed in Woodgrain Anthracite grey RAL 7016; Hörmann aluminium entrance door ThermoSafe, style 650 Anthracite grey RAL 7016





▼ S-ribbed in Woodgrain Traffic white RAL 9016 with matching side door



## M - RIBBING



► M-ribbed in Silkgrain Traffic white RAL 9016 with optional LED light strip on lintel, optional light key switch posts SLS and optional stainless steel house number



▲ M-ribbed in Decograin Titan Metallic CH 703 as industrial sectional door SPU F42 Plus for garages up to 7000 mm wide (for further information, see pages 82 / 83)



▲ M-ribbed with solid timber panels in Hemlock

◀ Hinged garage door DFT 42 M-ribbed in Woodgrain  
Traffic white RAL 9016

## DFT 42

The double-leaf hinged garage door offers a simple partial opening e.g. to get bicycles from the garage. Choose your desired infill from the S-, M-, L-, D- or T-ribbed door styles in all surface finishes, colours and decors, matching the style of your home.

## L - RIBBING



▲ L-ribbed in Decograin Titan Metallic CH 703

► L-ribbed in Duragrain Concrete





▼ L-ribbed in Silkgrain Ochre brown RAL 8001



▲ L-ribbed design style 450 in Silkgrain Light grey RAL 7035 with optional stainless steel house number; Hörmann aluminium entrance door ThermoSafe style 693

**D-RIBBING / T-RIBBING**

► T-ribbed in Silkgrain Anthracite grey  
RAL 7016 style 501 with continuous inlays  
in stainless steel look

▼ D-ribbed in Silkgrain Anthracite grey  
RAL 7016; Hörmann aluminium entrance  
door ThermoCarbon, style 304 Anthracite  
grey RAL 7016





▲ T-ribbed style 501 in Silkgrain Stone grey RAL 7030 with continuous inlays in timber look

## PANEL



▲ Panelled with solid timber panels in Hemlock with wood preservative in Limestone white

► Panelled in Decograin Golden Oak





◀ Panelled in Woodgrain Traffic white RAL 9016;  
Hörmann aluminium entrance door ThermoSafe  
style 449 in Traffic white RAL 9016



## EXCLUSIVE DOOR DESIGNS

### ALR F42 for on-site cladding flush with the facade

Design your sectional door according to your wishes with timber, metal, ceramics, plastic and many other materials. This way your garage door is seamlessly integrated into the overall design of your home.

The door basis for facade cladding is a Hörmann industrial sectional door ALR F42 with an aluminium frame construction and PU sandwich infill. Please consult with your local Hörmann specialised dealer.

► Sectional door ALR F42 with on-site cladding

▼ Sectional door ALR F42 Vitraplan



### ALR F42 Vitraplan

The door is especially elegant thanks to offset, flush-fitting glazing. The frame profile is concealed, so nothing detracts from the overall appearance. This exclusive door convinces with a mix of mirroring and transparency.





◀ Aluminium frame door ART 42 Thermo with synthetic double pane, grey tinted

### ART 42 / ART 42 Thermo

You have the choice between 13 infill variants for the Hörmann aluminium frame door. These offer more light in your garage or better ventilation in the parking boxes of collective garages with a perforated or mesh infill.

## DESIGN SOLID TIMBER DOORS

► Door style 405, painted white on site with hinged door fitting kit and decorative handles

▼ Door style 403 in Nordic Pine with Tropical green natural stone



◄ Door style 402 in Nordic Pine with a matching side door



### Individual designs

Design your timber door to, for example, display your initials, house number or your favourite style. Just provide us with an appropriate drawing and we will create a personal garage door for you. It will be an enviable original.

**DOOR DESIGN**

## Colour and decor variety

No matter the architectural style, with Hörmann, you are guaranteed to find a sectional garage door to fit your personal style and home. For steel sectional doors, you can choose from 15 equally-priced preferred colours, approx. 200 RAL colours, 6 Decograin decors and 24 Duragrain decors.

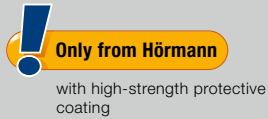
The door surfaces are optimally protected against rust, allowing you to enjoy your new door for a long time. Rain runs off without leaving any streaky marks thanks to the use of hot-galvanized material and a high-quality polyester-primer coating on both sides.

Solid timber doors are available in two types of timber, each of which can be glazed in one of 8 colours to match your home.





## DOOR DESIGN



# Versatile and permanently beautiful

For the Duragrain surface finish with its detailed, natural and colourfast door surface, you can choose from 24 decors. In this collection you are guaranteed to find a decor that harmonises perfectly with the architecture of your home.

The innovative digital printing process in combination with the final high-strength protective coating is the basis for a permanently beautiful door view.



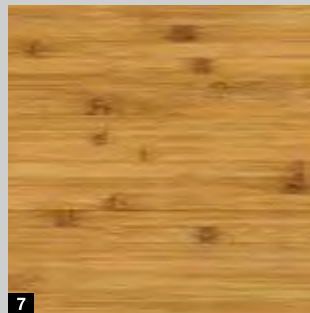
## 24 Duragrain decors



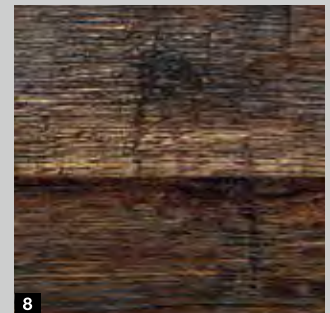
1



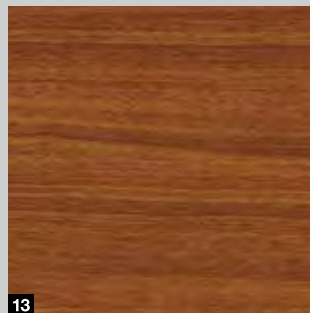
2



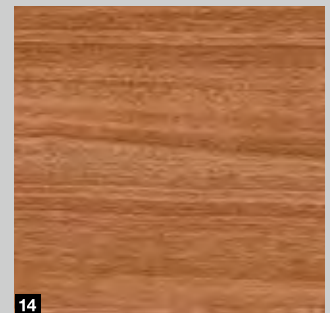
7



8



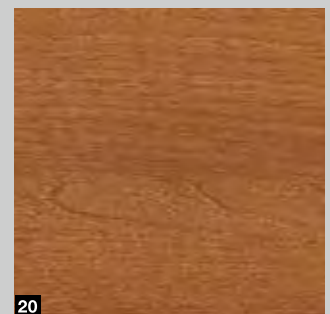
13



14



19



20

1 Concrete

7 Bamboo

13 Noce Sorrento Balsamico

19 Terra Walnut

2 Beige

8 Burned Oak

14 Noce Sorrento, plain

20 Colonial Walnut



Duragrain surface finish

For further information, see the "Duragrain surface finish" brochure.



- 3** Mocca
- 9** Cherry
- 15** Sapele
- 21** White Brushed

- 4** Grigio
- 10** Nature Oak
- 16** Sheffield
- 22** White Oak

- 5** Grigio scuro
- 11** Pine
- 17** Teak
- 23** White Oiled Oak

- 6** Rusty Steel
- 12** Rusty Oak
- 18** Weathered Look
- 24** Whitewashed Oak

**Please note:**

Duragrain doors are generally supplied in Grey white, RAL 9002, on the inside of the door. When the door is opened, a thin Grey white stripe can be seen between the sections on the outside.

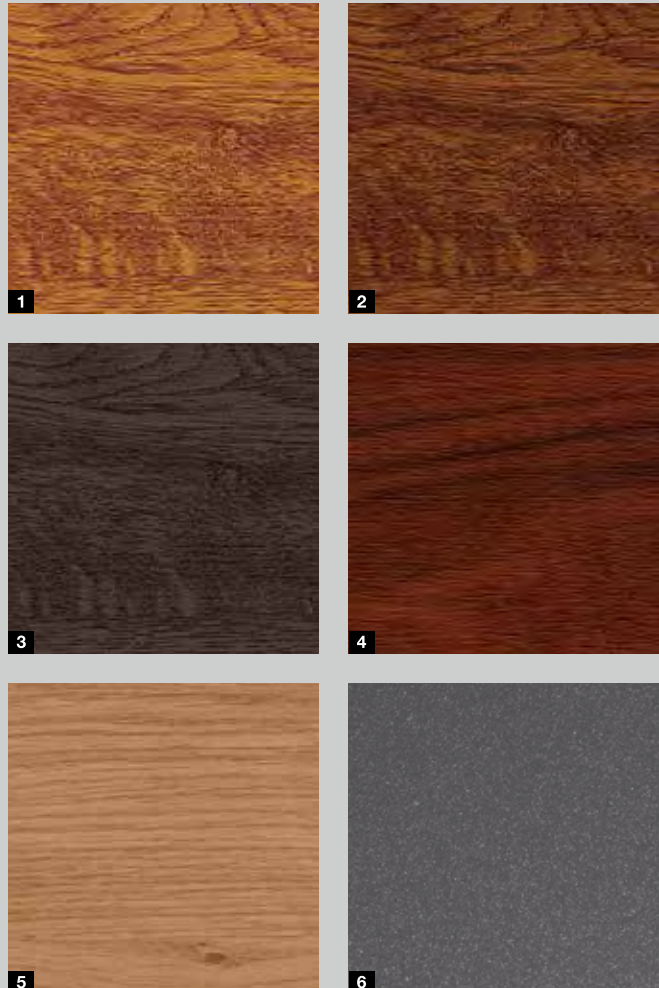
Side frames and fascia panels are delivered in Woodgrain, Traffic white RAL 9016 as standard. Optionally, you can obtain lintel and frame fascias in a colour matching the decor.

## DOOR DESIGN

# Elegance and detailed accuracy

Decograin is available in five natural-looking timber designs and with an anthracite metallic effect. An embossed wood grain gives it an authentic timber character. The door remains beautiful for a long time thanks to the special surface protection of the UV-resistant plastic film coating on the outside of the steel sections.

## 6 Decograin decors



- 1** Decograin Golden Oak: medium brown, golden yellow oak design
- 2** Decograin Dark Oak: walnut-coloured oak decor
- 3** Decograin Night Oak: dark, intense oak design\*
- 4** Decograin Rosewood: mahogany-coloured timber design\*
- 5** Decograin Winchester Oak: natural-coloured knotty oak design\*
- 6** Titan Metallic CH 703: Anthracite with a metallic effect

\* Not for LPU 67 Thermo

# Beautiful and protective colour

Double-skinned LPU sectional doors and side doors are available as standard in Traffic white, RAL 9016, as well as in 15 inexpensive preferred colours and in around 200 colours from the RAL colour chart\*, as well as in many NCS and DB colours. You can choose from 3 preferred colours\*\* for the surface finish Sandgrain.

Single-skinned LTE 42 doors are only available in Traffic white.

## Standard colour



## 15 preferred colours



|    |          |                   |
|----|----------|-------------------|
| 1  | RAL 9016 | Traffic white     |
| 2  | RAL 9007 | Grey aluminium    |
| 3  | RAL 9006 | White aluminium** |
| 4  | RAL 8028 | Terra brown**     |
| 5  | RAL 8003 | Clay brown        |
| 6  | RAL 8001 | Ochre brown       |
| 7  | RAL 7040 | Window grey       |
| 8  | RAL 7035 | Light grey        |
| 9  | RAL 7030 | Stone grey        |
| 10 | RAL 7016 | Anthracite grey** |
| 11 | RAL 6009 | Fir green         |
| 12 | RAL 6005 | Moss green        |
| 13 | RAL 5014 | Pigeon blue       |
| 14 | RAL 5011 | Steel blue        |
| 15 | RAL 3003 | Ruby red          |
| 16 | RAL 1015 | Light ivory       |

### Please note:

Sectional garage doors are generally supplied in Grey white, RAL 9002, on the inside of the door.

Dark colours should not be used for double-skinned steel doors that are exposed to the sun, as possible section deflection may damage the door.

All colours based on RAL.

The colours and surfaces shown are subject to the limitations of the printing process and cannot be regarded as binding. Please consult with your local Hörmann specialised dealer.

\* RAL Classic colours, with the exception of pearl-effect, fluorescent and metallic colours

\*\* Preferred colours for Sandgrain surface finish

**DOOR DESIGN**

## Natural types of solid timber

The LTH garage sectional doors in the Nordic Pine and Hemlock wood types are available in two attractive finishes: impregnated with a smooth surface finish and a brushed surface finish, which gives the wood grain a visual and haptic appeal. Both surface finishes are optionally available with 8 wood preservatives or in a white covering coating.

**Please note:**

The timber is impregnated at the factory to protect it against insect and fungal attack. To protect it from weathering and retain its beautiful appearance, please treat the timber with a wood preservative.

With wood preservatives, the wood content may show through the coating, leading to a change in the surface colour.





## 8 types of wood preservative



- 1 Limestone white, painted or opaque
- 2 Pine
- 3 Teak
- 4 Rosewood
- 5 Ebony
- 6 Agate grey
- 7 Fir green
- 8 Nordic red

## Brushed surface



The brushed timber surface finish allows you to feel what you see. Brushing the surface removes the soft timber parts, leaving the harder timber fibres. They make for an especially grooved surface texture, reinforcing the natural effect of the timber. The surface finish is available for all sectional garage doors LTH and side doors (except V-panel).

## HANDLES / RELEASE

# Aesthetic, understated, secure

## Manual release

If your garage does not have a second entrance, you can optionally open your automatic garage door LPU 42, LTE 42 and LTH 42 from the outside with a beautifully designed handle or an understated emergency release lock.

## Door handles

Hörmann door handles are set apart by a contemporary, modern shape. Here, the selection of material is not just a question of personal taste. For example, stainless steel handles are particularly robust and have a tough surface finish. The lock can be integrated in the master key system. Manually operated doors with a handle are locked with a latch lock **5**, providing break-in resistance. In this lock, a sturdy, automatic latching spring disc engages around a massive bolt on the side frame.

## Emergency release

If you do not want a handle on your automatic sectional door, we recommend using an emergency release lock **6** on garages without a second entrance. An inconspicuous round cylinder (cannot be integrated in the master key system) releases your garage door and you can easily open it in the case of an emergency. For automatic sectional doors with a handle, you can use a door handle to operate the emergency release. The door is then unlocked via a Bowden cable on the inside.



1



2



3



4



5



6

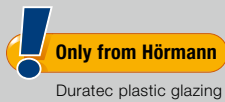
- 1** Black plastic
- 2** White cast aluminium, RAL 9016
- 3** Brushed stainless steel
- 4** Brown cast aluminium, RAL 8028
- 5** Emergency release lock
- 6** Latch lock

For sectional doors LPU 42, LTE 42 and LTH 42

**Please note:**

## GLAZINGS

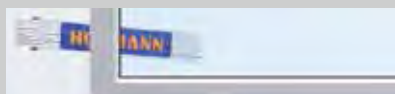
# More light, less energy consumption



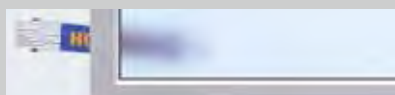
Depending on the door type, you can select from various types of glazings with clear or textured panes. Clear synthetic glazing from Hörmann comes as standard with DURATEC glazing. It offers:

- Maximum scratch resistance
- A permanently clear view
- Improved thermal insulation

Your Hörmann partner would be pleased to advise you about the numerous glazing options. The glazing frames are supplied in a colour to match the decor with the Decograin surface finish.



Synthetic double pane, clear



Synthetic double pane, crystal texture



- |                                     |                                     |
|-------------------------------------|-------------------------------------|
| 1 Glazing type D <sup>1)</sup>      | 2 Aluminium frames <sup>2)</sup>    |
| 3 Classic glazing S0 <sup>1)</sup>  | 4 Classic glazing M0 <sup>1)</sup>  |
| 5 Classic glazing L0 <sup>1)</sup>  | 6 Classic glazing S1                |
| 7 Classic glazing S2                | 8 Sunrise glazing S10 <sup>3)</sup> |
| 9 Sunrise glazing S60 <sup>4)</sup> | 10 V-panelled glazing V0            |
- (Fig. left door half)

Glazings (1 to 8, 10) correspond to a door width of 2500 mm

<sup>1)</sup> Individual arrangement of glazings is possible

<sup>2)</sup> Rails are possible

<sup>3)</sup> Door width 2130 – 2750 mm

<sup>4)</sup> Door width 4751 – 5500 mm

### Please note:

Glazing is also possible in the two bottom door sections after technical inspection.

## WICKET DOORS WITH TRIP-FREE THRESHOLD

# An easy passage into your garage

A wicket door in the garage door lets you easily access whatever you need from your garage, for example gardening tools, bikes or wheelbarrows. Only Hörmann offers wicket doors with a stainless steel threshold that is only 10 mm in the centre and 5 mm at the sides. This reduces the risk of tripping and makes it easier to wheel things through. The aluminium door frame is anodised as standard in a natural finish and is also available in all RAL colours. The top garage door section comes with a continuous lintel seal, also in the wicket door area.

Doors with wicket door are available with a door width of up to 5 m.



### Please note:

Wicket doors with trip-free threshold are only available for sectional door LPU 42.

On request, Decograin wicket doors can be supplied with the frame painted to match the colour of the decorative finish. The frame is available in all RAL colours, also different from door colour.

In some cases, adjacent panelled doors with the same width, with and without a wicket door, may not have an identical panel division.

Manually operated garage doors with wicket door do not have an exterior door handle. They are locked from the inside.



### **1 Overhead door closers**

As standard, wicket doors are supplied with slide rail door closers incl. integrated opening angle limit and hold-open device (top Fig.).

An integrated door closer, including hold-open device (bottom Fig.) is optionally available for optimum protection and the best appearance.

### **2 Optional multiple-point locking**

The wicket door is locked over the entire door height with one bolt and hook bolt per section. The advantage: better stability and improved break-in resistance.

### **3 Robust door catch**

This prevents door leaf dropping and warping.

### **4 Concealed hinges**

For a uniform door appearance, the wicket doors are equipped with concealed hinges as standard.

### **Optional photocell**

The leading photocell VL 2 stops the door without contact. This further increases the safety of your garage door with wicket door and trip-free threshold.

## SIDE DOORS

### Garage side doors NT60

The doors are supplied ready-to-fit with profile cylinder mortise lock, round handle / lever handle set with oval rose escutcheons and 3-way adjustable hinges. The leaf frame is available in a narrow (profile type 1) or a wide (profile type 2) version. The frame is made of weather-proof aluminium extrusions (depth 60 mm) with all-round seals. Double-leaf side doors are also available with asymmetrical division, i.e. with uneven door leaf widths.

| Garage side door NT60                                  | Single-leaf | Double-leaf |
|--------------------------------------------------------|-------------|-------------|
| Aluminium block frame                                  | ●           | ●           |
| Aluminium corner frame                                 | ●           | –           |
| Narrow leaf frame (profile type 1)                     | ●           | –           |
| Wide leaf frame (profile type 2)                       | ●           | ●           |
| Air permeability                                       | Class 2*    | –           |
| Resistance to wind load                                | C2 / B2*    | –           |
| Thermal insulation<br>U-value in W/(m <sup>2</sup> ·K) | 2,7         | 2,9         |

\* Tested for door with wide leaf frame (profile type 2)

● = Equipment options

For further information, see pages 94 / 95 or contact your Hörmann partner.



Single-leaf NT60 with narrow leaf frame (profile type 1)



Single-leaf NT60 with wide leaf frame (profile type 2)



Double-leaf NT60 with wide leaf frame (profile type 2)

### Insulated version NT80

The garage side doors TopComfort NT80 impress with an aluminium profile system with thermal break, frame and threshold rail, as well as a depth of 80 mm.



Garage side doors with thermal break TopComfort NT80



1

### 1 Lever handle set

Choose between the standard lever handle or many optional lever handle or lever / knob handle sets (Fig: stainless steel lever handle set).

Your Hörmann partner would be pleased to advise you.



2

### 2 Concealed hinges ■ NEW

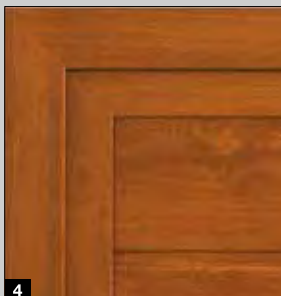
For an elegant door view of single-leaf and double-leaf side doors in the version with aluminium block frame concealed hinges are optionally available.



3

### 3 Fixed bolt

The fixed leaf on double-leaf side doors can be individually locked.



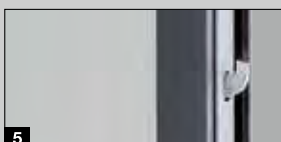
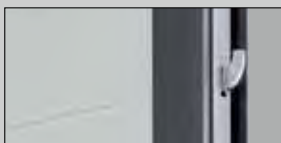
4

### 4 Matching

Decograin side doors come with identical surface finish for the frame, subframe and door to create a matching appearance. The inside of the sections is Grey white, RAL 9002, as standard.

### 5 Break-in-resistant

You can also optionally equip side doors NT60 with a wide leaf frame (profile type 2) in RC 2 security equipment with 3-point locking (latch, bolt, 2 locking hooks) and security rose escutcheon.



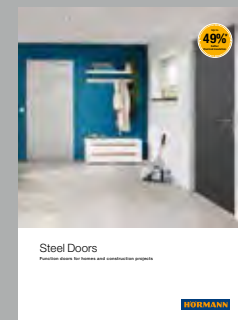
5



## MZ Thermo multi-purpose door

If you value good thermal insulation and also want to reduce the risk of condensation forming on the inside, an MZ Thermo external door with thermal break is the best choice for you.

It has an excellent thermal insulation value of  $1.2 \text{ W/(m}^2 \cdot \text{K)}$ . An RC 2 version is optionally available (KSI Thermo).



For further information, see the "Steel doors" brochure.

**MODERNISE AND IMPROVE**

## Out with the old, in with the new

At some point it is simply time to modernise your garage door. Hörmann can provide you with an attractive and appropriate solution for any fitting situation. Inexpensive standard sizes, especially created for modernisation, will save you money and make it possible to install your new sectional door faster. Your Hörmann partner also provides you with a complete package of services:

- Qualified consultation
- Measurement on-site
- Professional fitting
- Removal and environmentally-friendly disposal



Your Hörmann partner would be pleased to advise you on-site.





## MODERNISE AND IMPROVE

### Standard fitting **1**

Ideally, the available garage has at least 100 mm of clearance in the lintel area (at least 115 mm for doors with operators) and a 90 mm sideroom. The frame can then be screwed directly into the wall behind the opening.

Hörmann sectional doors come with all the necessary fitting materials.

### Special anchor for frame side fixing

The sectional door frame can be fitted to the side wall of the garage with Hörmann's optional, universal anchors. Irregularities in the wall can be easily compensated, leaving the reveal intact.

**2** Fitting with up to 35 mm wall spacing

**3** Fitting with angled or irregular side wall

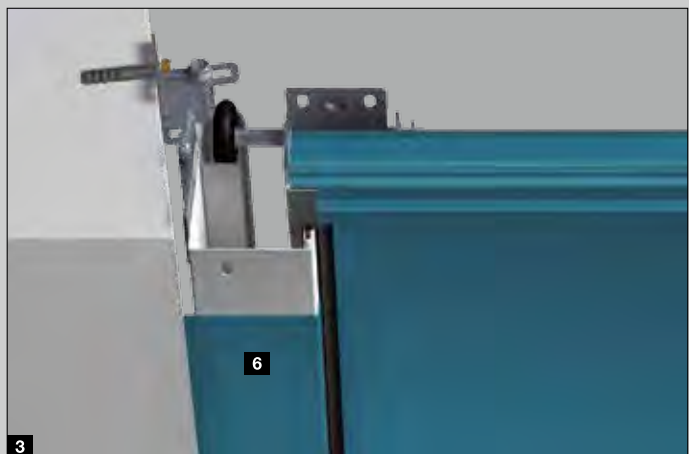
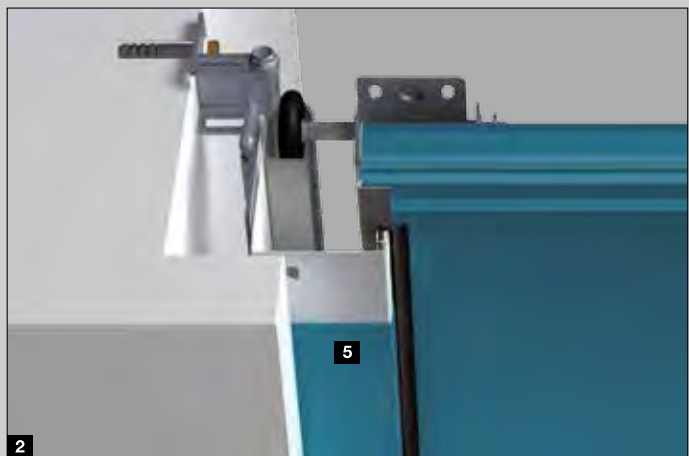
**4** Fitting with non-load bearing facades (facing brick or thermal insulation) with at least 90 and max. 125 mm sideroom

### Frame covering in the colour of the door

At Hörmann, side frames are delivered in Woodgrain surface white as standard. With an optional frame covering that matches the door sections' surface finish and colour or decor, your door will become even more beautiful. Now you can enjoy the identical view of door sections and frame. For Duragrain doors, we optionally supply the frame cladding in a colour that matches the decor. Two different widths make it possible to cover the side frame for different fitting situations. These are easy to fit thanks to the standard adhesive pads.

**5** 55-mm-wide frame covering for fitting behind the opening, with little sideroom (< 90 mm)

**6** 90-mm-wide frame covering for fitting in the opening, flush with the wall





### Fascia panels **1**

For greater distances between the side wall or ceiling and the door frame, the gap is sealed with panels in the appearance of the door sections. This creates a harmonious overall impression because the door style continues over the frame. Fascia panels are available for all door styles, each in the same surface finish and colour or decor of the door section, and also with design elements.

### Fascia frame set 95 for lintel and side wall

A door in an inexpensive standard or modernisation size can be fitted in the opening. The remaining gap between the side wall or lintel and door frame (max. 35 mm) is covered using an optional fascia frame set **2**. This set comes with fascia panels in the surface finish and colour or decor of the door sections, end caps and fixing materials. For Duragrain doors, we supply the panel frame set in a colour that matches the decor.

For the surface finishes Woodgrain, Sandgrain, Silkgrain and Decograin, our standard fascia panels **3** match the surface finish and colour or decor of the door. For Duragrain doors, the lintel comes as standard in Woodgrain, Traffic white or optionally in a colour matching the decor. The side frame is additionally covered with an optional frame cladding **4** (see page 62 for details).



## MODERNISE AND IMPROVE

Fascia panels for standard fitting behind the opening with small lintel space **1**

For the surface finishes Woodgrain, Sandgrain, Silkgrain and Decograin, our standard fascia panels always match the door surface finish and colour or decor and can thus be visibly mounted in the opening. For Duragrain doors, we supply the panels in Woodgrain Traffic white as standard. The lintel optionally comes in a colour matching the decor.

Double-skinned fascia panel for fitting in the opening with larger gap to the ceiling **2**

A matching, double-skinned additional fascia panel covers the gap between the ceiling and fascia panel. It is available for all surface finishes and colours or designs. Glazings are also possible after technical inspection.

This panel can be optionally supplied as an aluminium light strip.

Flush-fitting fascia panels **3**

For LPU 42 doors, a flush-fitting fascia panel is the most elegant solution for an invisible transition between the panel and door leaf. When the door is closed, the top door section **4** is flush with the panel **5**. It is available for all door styles in all surface finishes (except Duragrain) and colours or decors (panelled on request).



For more detailed information, please see the fitting data or contact your Hörmann partner.



### Retrofit fascia set to properly cover damaged wall edges **1**

Unattractive gaps in the lintel and opening areas can be covered easily with the optional retrofit fascia. Additional brickwork and plastering work are no longer required.

The set with 3 fascia panels (each 3 metres long) is available in all surface finishes and colours or decors to match the door. For Duragrain doors, we supply the panels in a colour that matches the decor.



### Recess set **2**

When removing an old up-and-over door and fitting a new LPU 42 sectional door, a time-consuming process is often necessary to remove the threshold rail or straighten the ground. With the recess set, these steps can be omitted as the sectional door is positioned in front of the threshold rail. The set consists of a compensation profile **3** and special track applications. The frame must be shortened by 25 mm if the set is used. This can either be ordered in the desired dimensions or shortened on-site.



### Wind threshold **4**

The profile is simply fitted to the floor and seals off the door bottom edge additionally. It prevents the penetration of water across the full door width. The low height ensures barrier-free access.

For more detailed information, please see the fitting data or contact your Hörmann partner.

## GARAGE DOOR OPERATORS

# Fast door opening, more convenience, smart functions

Hörmann garage door operators perfectly match your Hörmann sectional door. The automatic safety cut-out stops the door securely and reliably if it encounters an obstacle. Your door opens and closes quietly and smoothly with the soft start and soft stop. Our elegant hand transmitters allow you to open your gate from your car as easily as you would operate a TV. You can also operate your door using stationary control elements, such as a radio code switch or radio finger-scan.



Garage Door  
and Entrance Gate Operators

Hörmann Garage Door Operators, now with even faster door opening,  
offer safety and convenience with smart functions.



More information can be found in the Garage door  
and entrance gate operators brochure.





## GARAGE DOOR OPERATORS ■ NEW

# SupraMatic 4

## Supra-fast door opening and smart additional functions

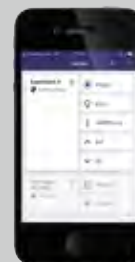
- 75 % faster opening speed\* up to 25 cm/s\*\*
- Smart operation with the BlueSecur app  
■ NEW
- Convenient garage ventilation
- Up to 3 to 5 times\*\*\* brighter LED lighting
- Extremely easy programming thanks to 2 × 7-segment display
- High-quality stainless steel operator cover
- Networked with Smart Home systems via the standard HCP interface
- Low power consumption in standby below 1 watt



As standard with two 4-button hand transmitters HSE 4 BS, textured surface black with chrome caps

| Garage door operators | SupraMatic E ■ NEW                     | SupraMatic P ■ NEW                     |
|-----------------------|----------------------------------------|----------------------------------------|
| Bluetooth receiver    | Integrated, can be switched on and off | Integrated, can be switched on and off |
| HCP bus connection    | Integrated                             | Integrated                             |
| Cycles per day / hour | 25 / 10                                | 50 / 10                                |
| Pull and push force   | 650 N                                  | 750 N                                  |
| Peak force            | 800 N                                  | 1000 N                                 |
| Max. opening speed    | 25 cm/s**                              | 25 cm/s**                              |
| Lighting              | 20 LEDs                                | 30 LED chase light                     |
| Max. door width       | 5500 mm                                | 6000 mm                                |
| Max. door surface     | 13.75 m <sup>2</sup>                   | 15 m <sup>2</sup>                      |

### Hörmann BlueSecur



Standard bluetooth receiver for smartphone operation using the Hörmann BlueSecur app

\* in comparison with ProMatic series 3

\*\* Up to 7.5 m<sup>2</sup> door leaf surface for the sectional garage door with SupraMatic E, up to 9 m<sup>2</sup> door leaf surface with SupraMatic P, up to max. 22 cm/s for larger door surfaces

\*\*\* 3 times brighter with the SupraMatic E or 5 times brighter with the SupraMatic P in comparison to the ProMatic series 3

# ProMatic 4

## Premium quality at an attractive price

- 40 % faster opening speed\* up to 20 cm/s
- Convenient garage ventilation
- Up to 2 times\* brighter LED lighting
- Networked with Smart Home systems via the standard HCP interface
- Low power consumption in standby below 1 watt



As standard with two 4-button hand transmitters HSE 4 BS, textured surface black with plastic caps

| Garage door operators | ProMatic 4 ■ NEW   | ProMatic 2 Akku |
|-----------------------|--------------------|-----------------|
| Bluetooth receiver    | Optional (HET-BLE) |                 |
| HCP bus connection    | Integrated         |                 |
| Cycles per day / hour | 25 / 10            | 5 / 2           |
| Pull and push force   | 600 N              | 350 N           |
| Peak force            | 750 N              | 400 N           |
| Max. opening speed    | 20 cm/s            | 13 cm/s         |
| Lighting              | 10 LEDs            | 1 LED light     |
| Max. door width       | 5000 mm            | 3000 mm         |
| Max. door surface     | 11.25 m²           | 8 m²            |

ProMatic 2 Akku for garages without a power connection



ProMatic 2 Akku with solar module

## ACCESSORIES

# It's your choice: Smart, mobile or stationary

With Hörmann, everything fits together. Using a hand transmitter, radio finger-scan or radio button you can operate your garage door as well as an entrance gate equipped with a fully compatible Hörmann operator or other devices with Hörmann receivers.

With the new Hörmann BlueSecur app, you can conveniently operate your garage or entrance gate as well as entrance door locks and internal door operators via Bluetooth\* with your smartphone.

Customise the user interface individually to your wishes. In addition, other user permissions\*\* can be permanently or temporarily transferred to other smartphones, so that every family member always has their door and door opener with them.

\* In conjunction with an internal or external Hörmann Bluetooth receiver

\*\* Additional purchases (in-app purchases) in the AppStore or Google Play may be required





## MOBILE ACCESSORIES

**Hand transmitter HS 5 BS**

4 button functions plus query button

1 High-gloss surface black or white

2 Textured surface black

**Hand transmitter HS 4 BS**

4 button functions

3 Textured surface black

**Hand transmitter HS 1 BS**

1 button function

4 Textured surface black

**Hand transmitter HSE 1 BS**

1 button function, including eyelet for key ring

5 Textured surface black

**Hand transmitter HSE 4 BS**

4 button functions, incl. eyelet for key ring

6 Textured surface black with chrome or plastic caps

**Hand transmitter HSE 2 BS**

2 button functions, incl. eyelet for key ring

7 High-gloss surface black or white

8 High-gloss surface green, purple, yellow, red, orange

9 Decor in silver, carbon, dark rootwood

(Shown from left to right)





**10 Hand transmitter  
HSD 2-A BS**

Aluminium look,  
2 button functions,  
can also be used as a key ring

**11 Hand transmitter  
HSD 2-C BS**

High-gloss chrome,  
2 button functions,  
can also be used as a key ring



**Radio internal push button  
FIT 1 BS**

1 button function with large  
button for simple operation



**Radio internal push button  
FIT 4 BS**

4 button functions



**Radio internal push button  
FIT 5 BS**

4 button functions plus query  
button



**Radio internal push button  
FIT 2-1 BS**

For 2 functions, connection  
option for maximum 2 control  
elements via cable, e.g. Key  
switches



**12 Hand transmitter HSP 4 BS**

4 button functions,  
with button lock-out,  
incl. key ring



**13 Hand transmitter HSZ 1 BS**

1 button function,  
for insertion in vehicle cigarette  
lighter

**14 Hand transmitter HSZ 2 BS**

2 button functions,  
for insertion in vehicle cigarette  
lighter



**HSZ hand transmitter**

The alternative to homelink  
systems: integrated in an  
inconspicuous spot in your car.  
Inserted in the vehicle's  
cigarette lighter, the HSZ hand  
transmitter is easily accessible  
and convenient to operate.



**Recessed radio transmitter**

For two functions, for recessed  
buttons, central installation in  
the house within sight of the  
garage door

**HSU 2 BS:**

for switch boxes with Ø 55 mm  
with connection to the house  
mains supply

**FUS 2 BS:**

for switch boxes with Ø 55 mm  
including 1.5 V battery

## STATIONARY ACCESSORIES


**Radio code switch  
FCT 3 BS ■ NEW**

For 3 functions, with illuminated buttons, recessed and surface-mounted fitting possible


**Transponder key switch  
TTR 1000-1**

For 1 function, for 1000 teachable keys, 1 key and 1 card included in the scope of delivery (more on request)


**Radio code switch  
FCT 10 BS ■ NEW**

For 10 functions, with illuminated buttons with hinged cover, recessed and surface-mounted fitting possible


**Code switches  
CTP 3-1**

For 3 functions, with illuminated lettering and touch-sensitive black surface


**Code switches  
CTR 1b-1 / 3b-1**

For 1 or 3 functions


**Radio finger-scan  
FFL 25 BS ■ NEW**

For 2 functions and up to 25 fingerprints with hinged cover, recessed and surface-mounted fitting possible


**Code switches  
CTV 3-1**

For 3 functions, particularly robust with metal keypad


**Radio receiver electric socket  
FES 1 BS**

For switching lights and other devices on and off up to 2500 watts

**FES 1-1 BS**

For controlling (impulse) operators of other makes and switching lights and other devices on and off up to 2500 watts


**Finger-scan  
FL 150**

For 2 functions, control via fingerprint, up to 150 fingerprints can be stored



#### Internal push buttons IT 1b-1

Large, illuminated button for convenient opening of the door



#### Photocell EL 101

One-way photocell system, immediately stops the door when the light beam is interrupted



#### Internal push buttons IT 3b-1

Large button with illuminated ring for opening of the door, buttons for the operator light and to switch off the radio control



#### Key switches

**1** STUP 50

**2** STAP 50

In a recessed version and surface-mounted version, including 3 keys



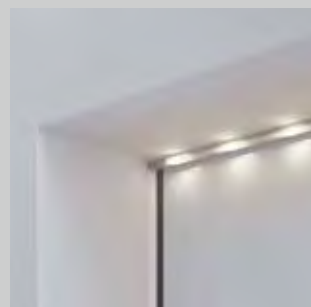
#### Emergency battery HNA for garage door operators

Emergency power supply to bypass power failures up to 18 hours and max. 5 door cycles, recharges during normal operation, for all current Hörmann garage door operators



#### Key switches ESU 40 / ESA 40

In a recessed version and surface-mounted version, including 3 keys



#### LED light strip

Neutral white light, variable plug-in system, can be fitted to lintel or bottom edge of door leaf, LED spacing: 125 mm, energy efficiency class A

## ACCESSORIES

# Optimum ventilation of the garage can effectively prevent mould

It is very important to ventilate the garage regularly. Ventilation is achieved by folding down the top section (optional equipment) top prevent dirt, leaves or small animals from entering the garage. An additional climate sensor, which automatically regulates ventilation, is recommended for energy-efficient ventilation.





1

### 1 Ventilation slot on the topmost section

The optional folding roller bracket means that you only open the top section of your door to ventilate the garage. The bottom door section remains sealed on the ground, thus offering protection against small animals or leaves. The ventilation slot is operated using the “Ventilation” operator function on doors with operator\*.

The folding roller bracket is optionally available on all sectional garage doors LPU 67 Thermo\* and LPU 42\* with operator and can be retrofitted on all sectional garage doors LPU 42\* with operator SupraMatic or ProMatic (from year of construction 2012).

### 2 Inside climate sensor HKSI for automatic garage ventilation

The inside climatic sensor\*\* monitors humidity in the garage and regulates the ventilation. If humidity is too high, the door is automatically opened using the “ventilation” operator function and then automatically closed again once humidity is adjusted\*\*\*.

For optimum operation, the temperature range in which the door does not open (e.g. if there is a risk of frost in the garage), the operating times (e.g. overnight shut-off) and opening times (e.g. max. 2 hours per ventilation) can be adjusted.

The optional external sensor HKSA additionally measures the humidity outside and prevents the door from opening in case of high humidity levels. An on-site fan can also be installed for fast and effective ventilation.



2



3

\* Only track application N, L, Z, not possible for doors with wicket door

\*\* Available for the operators SupraMatic 4 (from 10.2019), SupraMatic 3 (from 07.2013, Index C), ProMatic 4 (from 10.2019) and WA 300 S4 (from 01.2014, Index D)

\*\*\* A photocell is required on doors without ventilation slot if the door closing edge is 30 mm or more above the floor in the ventilation position.



Take a look at the video “Automatic garage ventilation” at: [www.hormann.co.uk/videos](http://www.hormann.co.uk/videos)

**TECHNOLOGY**

## Operating comfort with the highest security



Safety while operating the garage door is top priority for Hörmann. And Hörmann sets the standards for this with its innovative solutions. This has been proven time and time again through numerous Hörmann patents. Hörmann sectional doors are tested and certified in accordance with the high safety requirements of European standard 13241, not only on their own but also in combination with Hörmann operators. It would be hard to find a safer sectional door.

This provides you and your family with safety during daily use.

It pays to compare!





1

Hörmann patent

### 1 Tension spring assembly with spring-in-spring system

Double tension springs and double cabling on each side safeguard the door leaf against falling. Thanks to the patented spring-in-spring system, broken springs are prevented from flying out and causing injuries. Sectional doors up to 4000 mm wide or 2625 mm high include the proven tension spring technology as standard\*.



2

Hörmann patent

### 2 Torsion spring assembly with integrated spring safety device

Torsion springs on both sides feature a patented spring safety device. In the event of a spring breaking, they arrest the door immediately, thereby preventing the door leaf from falling. Larger sectional doors and doors with integrated wicket door or solid timber panels feature torsion spring technology.



3

Hörmann patent

### 3 Secure guidance of the door in safety tracks

Patented, adjustable rollers, sturdy roller holders and safety tracks ensure that there is no danger of the door "derailing". The door sections are safely parked under the ceiling.



4

### 4 Finger trap protection on the inside, outside and on the hinges

The unique form of the door sections eliminates trap points. Both between the sections and on the hinges.



5

### 5 Trap guard on the side frame

With Hörmann, the frames are completely closed from top to bottom. There are no gaps between the door leaf and frame in which fingers could get trapped!

\* Please refer to the size range on page 88 for detailed information.

**PREMIUM AND STANDARD VERSION**

## For a beautiful interior door appearance

The premium version of the LPU 42 and LPU 67 thermo doors impresses with its harmonious interior view. The fittings, frames, rails and connecting rails are designed to match the inside of the sections. Tandem track rollers also ensure very quiet and gentle door travel.



**Standard version** (Fig. LPU 67 Thermo)  
Galvanized fittings, frame, tracks and connection rails



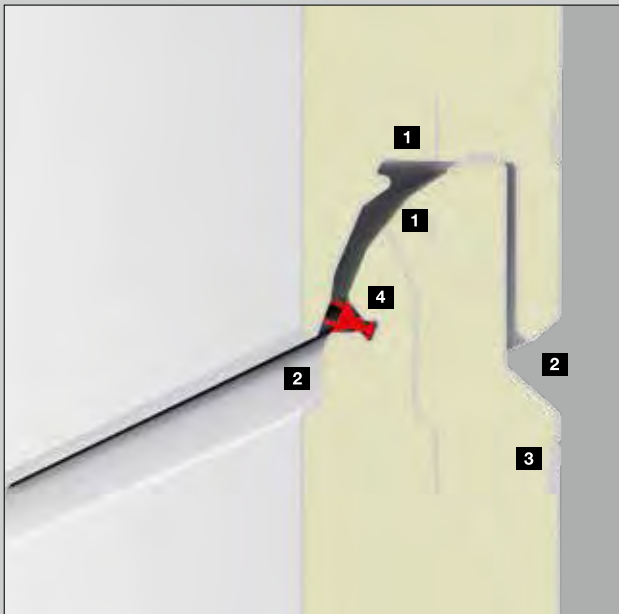
**Premium version** (Fig. LPU 67 Thermo)  
Fittings, frames, tracks and connection rails in Grey white RAL 9002\* and tandem track rollers

\* Galvanized spring assembly incl. holder, spring safety device, cable drum, operator boom

## GARAGE SECTIONAL DOOR LPU 67 THERMO

# The energy-saving door

LPU 67 Thermo is the best choice for you, if your garage is directly integrated in the house or if you use the room as a workshop or hobby room. Thanks to excellent thermal insulation, it meets all the needs of a multi-purpose room you can feel comfortable in.



### Standard version with excellent thermal insulation

- U-value of sections:  $0.33 \text{ W}/(\text{m}^2 \cdot \text{K})$
- U-value of door\*:  $1.0 \text{ W}/(\text{m}^2 \cdot \text{K})$
- Up to 30% better thermal insulation compared to a sectional garage door LPU 42

- 1 67-mm-thick sections with thermal break
- 2 Finger trap protection outside and inside
- 3 Triple sheet steel reinforcement in screw fixing area
- 4 Double lip seal in the section transitions
- 5 Double bottom seal

### Further equipment options:

- All glazing types available for depth 42 mm
- Aluminium glazing frame with thermal break
- All glazings with triple panes
- Optional ThermoFrame for up to 10% better thermal insulation (U-value of the door\*:  $0.9 \text{ W}/(\text{m}^2 \cdot \text{K})$ ), for further information, see pages 82 – 83.



### Energy modernisation of existing doors

Even with fitted LPU 42 doors from year 06 / 1999 (BR 40), the 67-mm-thick sections with thermal break can be retrofitted for better thermal insulation without having to renew the frame.

\* Door size  $5000 \times 2125 \text{ mm}$

**INDUSTRIAL SECTIONAL DOOR SPU F42 PLUS**

## For door openings up to 7000 mm wide and special fitting situations

The industrial sectional door SPU F42 Plus, available for M- and L-ribbed door styles, is the ideal solution for especially wide garages and for fitting situations where an operator cannot be fitted above the door. For specific fitting dimensions, please see the technical manual for industrial sectional doors.





### 1 Operator SupraMatic 3 HT

**For garage doors over 6000 mm wide, the SupraMatic 3 HT operator is the first choice.**

The rail-guided operator is characterised by functions such as soft start and soft stop, adjustable ventilation slot and automatic door locking.

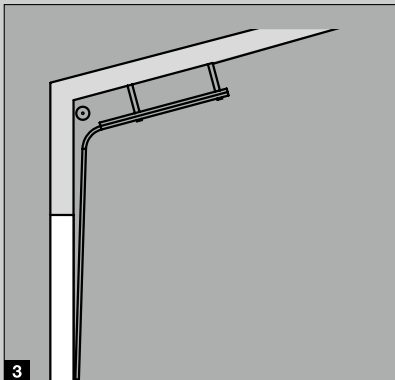
The SupraMatic 3 HT is supplied without lighting. However, lighting can be added using an optionally available universal adapter print in combination with a time relay.



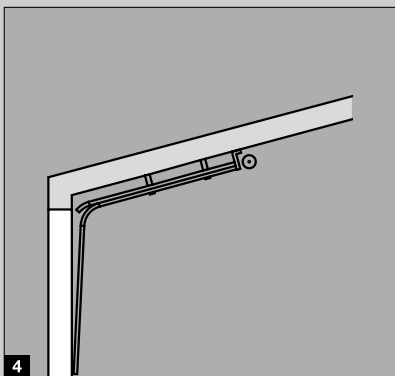
### 2 Shaft operator WA 300 S4

**If it is not possible to install the operator in the garage in the centre with a guide rail, we recommend the shaft operator WA 300 S4 for side fitting.** This operator

does not require additional headroom. Additionally, it features standard power limit, soft start and soft stop, very high security and quiet door travel.



Track application HD with inclination



Track application LD with inclination

### 3 4 Track variants for special fitting situations

The industrial sectional door SPU F42 Plus offers a variety of track variants for special fitting situations, e. g. a track application with inclination that you can use to guide your garage sectional door at an incline along the pitched roof of your garage.

\* Without operator light



Additional information can be found in the Industrial sectional doors brochure

**HINGED GARAGE DOOR DFT 42**

## For easy access to the garage

With the double-leaf hinged garage door, you can either open both leaves or even just one leaf, in order to get your bike out of the garage, for example. The thermally insulated 42-mm-thick sections provide good insulation and are available in all surface finishes.





### 1 Customised leaf division

Design your hinged garage door entirely to suit your needs. The door leaves are available in both symmetrical and asymmetrical division. The symmetrical division, already with wide door leaves, offer a harmonious door view. In the asymmetrical division, the traffic leaf comes in a width of 870 mm, which allows easy passage into the garage. The width of the fixed leaf results from the total width of the door. You can also choose to position the traffic leaf on the left or right side of the door. Three sturdy hinges per door leaf (one hinge with safety device) also ensure reliable door operation.

### 2 60-mm-thick aluminium frame profiles

The frame profile seals reliably with a 3-sided double stop seal and double lip seal in the threshold area. The door infill made of 42-mm-thick sections is available in the S-ribbed, M-ribbed, L-ribbed, D-ribbed and T-ribbed styles and in all colours and decors. We supply the smooth aluminium frame profile in the colour of the sections, or in Decograin and Duragrain infills in a colour matching the decor.



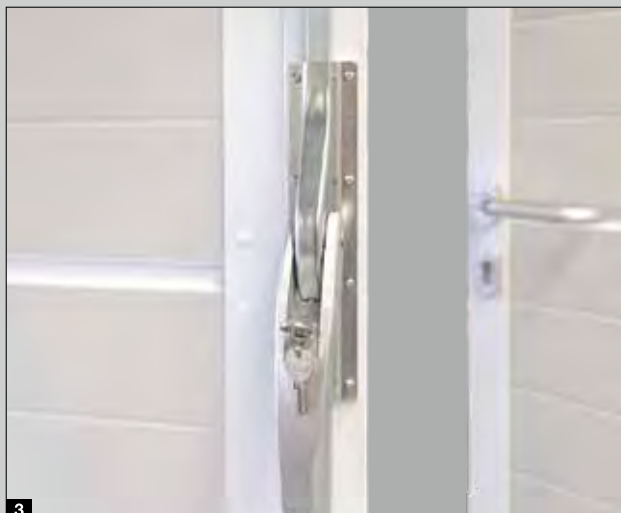
### 3 Secure locking system

For a reliable locking of the door, the traffic leaf is equipped as standard with an aluminium lever handle set and a lock with profile cylinder. The fixed leaf is securely locked using a door bolt. In order to fix the leaves when open, the traffic leaf and the fixed leaf can be equipped with an additional door stay on the floor. A door stay with braking and damping functions fitted on the top edge of the leaf is particularly convenient. It stops the door from slamming and opening and can be locked in any position.

#### Hinged garage door DFT 42

|                                                     |         |
|-----------------------------------------------------|---------|
| Max. width (mm)                                     | 3000    |
| Max. height (mm)                                    | 2500    |
| Air permeability                                    | Class 2 |
| Water tightness                                     | Class 1 |
| Wind load                                           | Class 3 |
| Thermal insulation U-value in W/(m <sup>2</sup> ·K) | 2.9*    |

\* The U-value applies to fitted doors (without glazing) with the dimensions 2200 x 2180 mm



## PERFORMANCE CHARACTERISTICS

### Outstanding performance characteristics

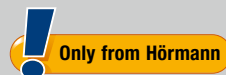


A well-insulated garage door is always recommended when the garage and the home are directly connected. The ThermoFrame frame connection further improves the already high insulation values of the double-skinned Hörmann sectional garage doors.

This reduces your energy costs.



#### Improved thermal insulation with ThermoFrame



The plastic profile can be easily fitted together with the door frame, creating a thermal break between the frame and brickwork, thus improving thermal insulation by up to 15%\*. In addition, extra lip seals on both sides and in the upper section of the door lower the loss of heating energy from the garage interior. The ThermoFrame frame connection is optionally available for all Hörmann sectional garage doors.

\* For a double-skinned sectional garage door LPU 42 with the dimensions 5000 x 2250 mm

## Thermal insulation

The thick insulated sandwich sections insulate just as well as a brick wall. This means that your garage is not wasting any energy and is saving you real money.



## Acoustic insulation

The excellent acoustic insulation for the LPU sections reduces road traffic noise (approx. 80 dB(A)) to room volume level (approx. 55 dB(A)). This way, you can do what you want in your garage, whether you want to work in peace or throw a party.



## Wind load

The LPU door sections are extremely sturdy so that your door can even withstand wind forces of up to 120 km/h, equivalent to hurricane force, without a problem. This means optimum protection for your garage and everything in it.



## Sealing

Your garage is also well protected from heavy rain. Due to the all-around seals between the door leaf and frame as well as the seals between the sections, virtually no rain can penetrate a closed door.



## Performance characteristics according to European standard 13241

| Door type                                     | Thermal insulation             | Acoustic insulation | Wind load <sup>6)</sup> | Sealing               |                       |
|-----------------------------------------------|--------------------------------|---------------------|-------------------------|-----------------------|-----------------------|
|                                               |                                |                     |                         | Air                   | Water                 |
| <b>LPU 67 Thermo</b>                          |                                | R = approx. 25 dB   | Class 3                 | Class 3 <sup>5)</sup> | Class 3 <sup>4)</sup> |
| Section                                       | U = 0.33 W/(m <sup>2</sup> ·K) |                     |                         |                       |                       |
| Fitted door without ThermoFrame <sup>1)</sup> | U = 1.0 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| Fitted door with ThermoFrame <sup>1)</sup>    | U = 0.88 W/(m <sup>2</sup> ·K) |                     |                         |                       |                       |
| <b>LPU 42</b>                                 |                                | R = approx. 25 dB   | Class 3                 | Class 3 <sup>5)</sup> | Class 3 <sup>4)</sup> |
| Section                                       | U = 0.5 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| Fitted door without ThermoFrame <sup>1)</sup> | U = 1.4 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| Fitted door with ThermoFrame <sup>1)</sup>    | U = 1.2 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| <b>LTE 42</b>                                 |                                | R = approx. 20 dB   | Class 2                 | Class 0 <sup>3)</sup> | Class 0 <sup>3)</sup> |
| Fitted door without ThermoFrame <sup>1)</sup> | U = 6.5 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| <b>ART 42</b>                                 |                                | R = approx. 20 dB   | Class 2                 | Class 3               | Class 3               |
| Fitted door without ThermoFrame <sup>2)</sup> | U = 4.0 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| Fitted door with ThermoFrame <sup>2)</sup>    | U = 3.8 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| <b>ART 42 Thermo</b>                          |                                | R = approx. 20 dB   | Class 2                 | Class 3               | Class 3               |
| Fitted door without ThermoFrame <sup>2)</sup> | U = 3.4 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| Fitted door with ThermoFrame <sup>2)</sup>    | U = 3.2 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |
| <b>LTH</b>                                    |                                |                     | Class 3                 | Class 0 <sup>3)</sup> | Class 0 <sup>3)</sup> |
| Fitted door with ThermoFrame <sup>1)</sup>    | U = 3.0 W/(m <sup>2</sup> ·K)  |                     |                         |                       |                       |

<sup>1)</sup> The U-values apply to fitted doors without glazing with the dimensions 5000 × 2250 mm

<sup>2)</sup> The U-values apply to fitted doors with synthetic double panes (S2), 26 mm, with the dimensions 5000 × 2250 mm

<sup>3)</sup> Doors with ventilation slots, classes 2-3 on request

<sup>4)</sup> Up to 70 Pa water pressure

<sup>5)</sup> Available for panelling and L-ribbing (LPU 42 doors with S-, M-, D- or T-ribbing as well as with wicket door: class 2)

<sup>6)</sup> Higher wind load classes on request

Size range LPU 67 Thermo, LPU 42, LTE 42, ART 42, ART 42 Thermo

● = Available standard sizes depending on the door type and door style, intermediate sizes available as special sizes

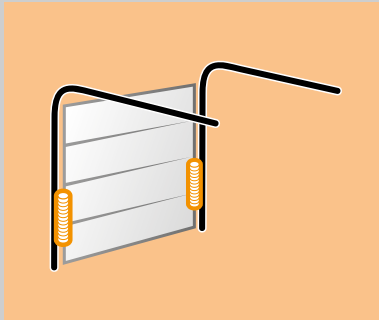
<sup>1)</sup> LPU 67 Thermo is only available in special sizes up to 5000 mm door width, SPU F42 Plus up to door sizes 7000 x 5000 mm, ART 42 / ART 42 Thermo up to 5500 x 2250 mm

<sup>2)</sup> Not available for panel styles with Decograin surface finishes and solid timber doors

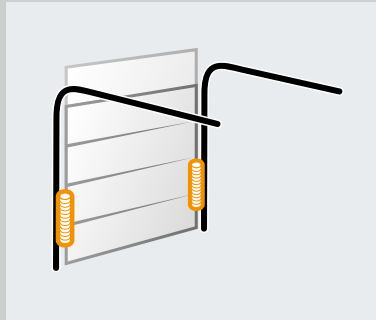
## Ceiling heights and clear passage heights

- \* With ThermoFrame and operator: see fitting data
- \*\* LPU 67 Thermo: LDH – 55 mm
- \*\*\* LPU 42: LZ > 3010 mm = LDH – 80 mm  
LPU 67 Thermo: LZ < 3000 mm = LDH – 55 mm, LZ > 3010 mm = LDH – 105 mm

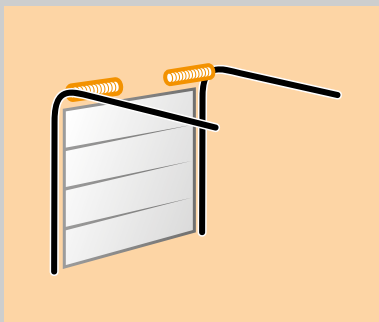
## Track applications



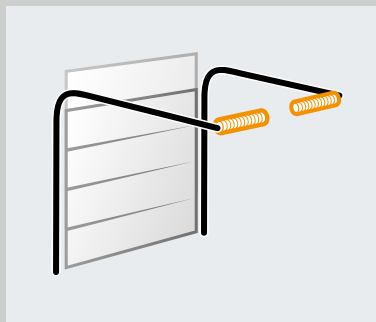
**Track application Z:** Tension spring track application with tension spring assembly



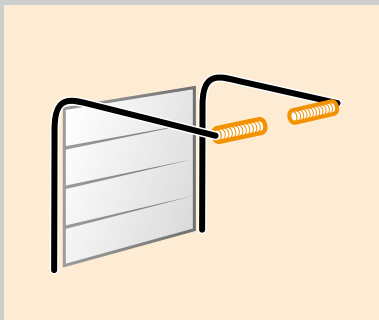
**Track application BZ:** Tension spring track application with tension spring assembly and flush-fitting panels



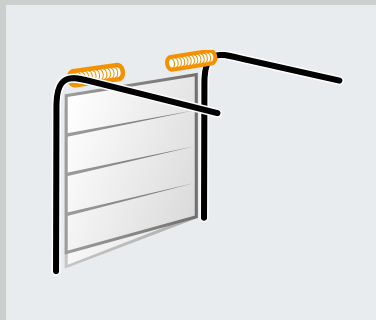
**Track application N:** Normal track application with torsion spring assembly



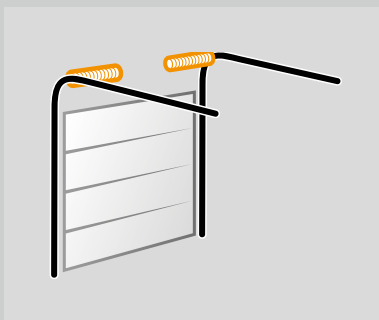
**Track application BL:** Low-headroom tracks with torsion spring assembly and flush-fitting panels



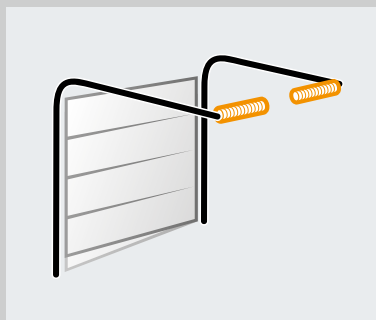
**Track application L:** Low-headroom tracks with torsion spring assembly



**Track application SN:** Normal track application with torsion spring assembly with chamfered bottom section (max. 300 mm height difference)



**Track application H:** High-lift track application with torsion spring assembly



**Track application SL:** Low lintel application with torsion spring assembly with chamfered bottom section (max. 300 mm height difference)

## Explanations

If you are interested in this track version for high-lift doors, contact your Hörmann specialist dealer.

LZ Clear frame dimension

RM Grid height

DE Ceiling height

**Note: The operator should be fitted 40 mm higher for dark coloured doors which are exposed to the sun.**

LDH Clear passage height

GIM Inside garage dimension

ET Distance back

### Track applications

#### Track application Z

(not for LTH 42 and LPU 42 with wicket door)

Max. width 4000 mm (max. 3000 mm for LPU 42

Silkgrain, LPU 67 Thermo, ART 42, ART 42 Thermo)

Max. height 2625 mm (max. 2500 mm for LPU 42

Silkgrain, LPU 67 Thermo, ART 42, ART 42 Thermo)

#### Track application N

Max. width 6000 mm

Max. height 3000 mm

#### Track application L

Max. width 6000 mm

Max. height 3000 mm

#### Track application H (not for LPU 67 Thermo)

Max. width 5500 mm

Max. height 3000 mm

#### Track application BZ (not for LPU 67 Thermo)

Max. width 4000 mm

Max. height 3170 mm

#### Track application BL (not for LPU 67 Thermo)

Max. width 4000 mm

Max. height 3520 mm

#### Track application SN (only LPU 42)

Max. width 6000 mm

Max. height 3000 mm

#### Track application SL (only LPU 42)

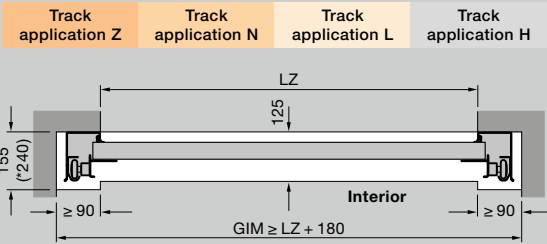
Max. width 6000 mm

Max. height 3000 mm

For more detailed information, please see the fitting data or contact your Hörmann partner.

SIZES AND FITTING DATA

Horizontal view

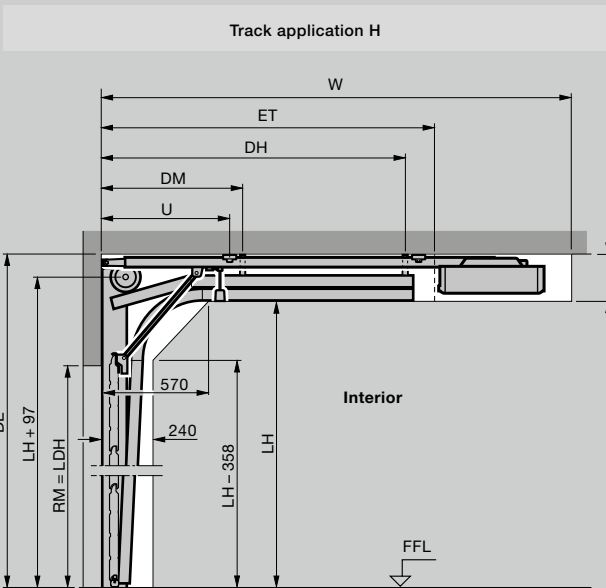
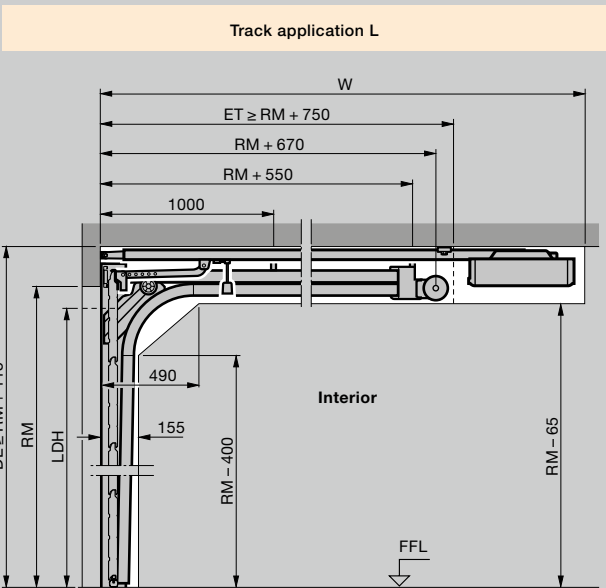
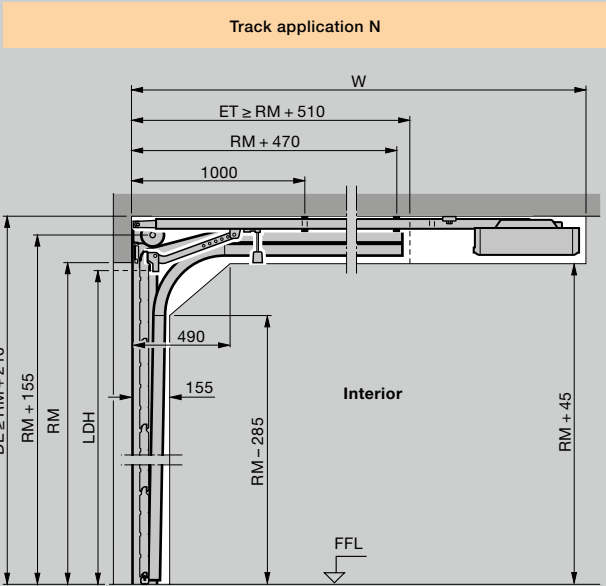
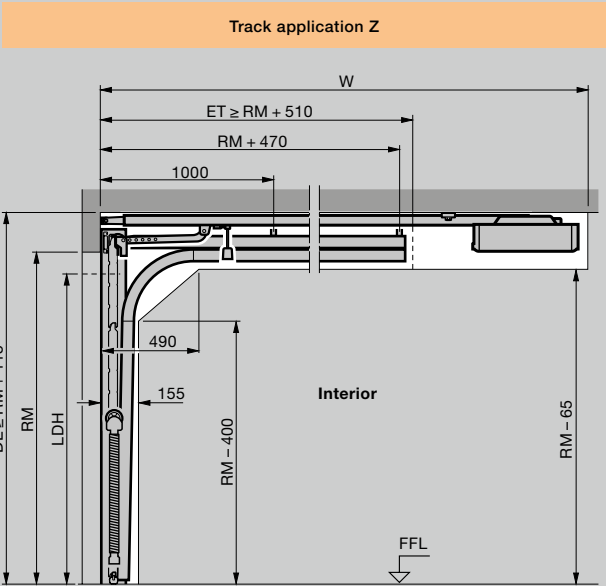


Fitting with track applications Z, N, L

| Overall length operators (W) | Track application Z | Track application N | Track application L |
|------------------------------|---------------------|---------------------|---------------------|
| Doors with operator          |                     |                     |                     |
| Max. door height             | 2125 (K)            | 3200                | 3200*               |
|                              | 2250 (K)            |                     | 3200**              |
|                              | 2375 (M)            | 3450                | 3450*               |
|                              | 2500 (M)            |                     | 3450**              |
|                              | 2625 (L)            | 4125                |                     |
|                              | 3000 (L)            | 4125                | 4125                |

\* Max. door height only for LPU 67 Thermo  
\*\* Max. door height only for LPU 42, LTE 42

Vertical views (with operator)

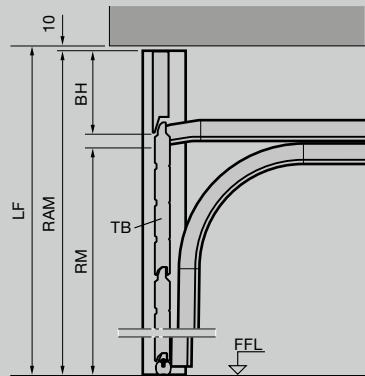


Fitting with flush-fitting panel

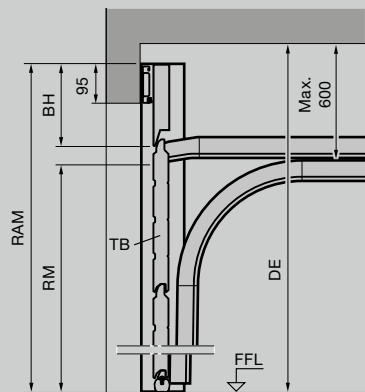
| Overall length operators (W) |          | Track application BZ | Track application BL |
|------------------------------|----------|----------------------|----------------------|
| Doors with operator          |          |                      |                      |
| Max. door height             | 2125 (K) | 3272                 | 3272                 |
|                              | 2375 (M) | 3522                 | 3522                 |
|                              | 2625 (L) | 4197                 |                      |
|                              | 3000 (L) |                      | 4197                 |

Vertical views

| Track application BZ | Track application BL | Without lintel |
|----------------------|----------------------|----------------|
|----------------------|----------------------|----------------|



| Track application BZ | Track application BL | With lintel |
|----------------------|----------------------|-------------|
|----------------------|----------------------|-------------|



Dimensions in mm

Explanations

| Operator booms     |                                                                                                                                 |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------|
| K                  | Short boom                                                                                                                      |
| M                  | Medium boom                                                                                                                     |
| L                  | Long boom                                                                                                                       |
| Track applications |                                                                                                                                 |
| Z                  | Tension spring track application                                                                                                |
| N                  | Normal track application                                                                                                        |
| L                  | Low headroom track application                                                                                                  |
| H                  | High-lift track application                                                                                                     |
| BZ                 | Tension spring track application with flush-fitting panels                                                                      |
| BL                 | Low-lintel track application with flush-fitting panels                                                                          |
| Ordering sizes     |                                                                                                                                 |
| LZ                 | Clear frame dimension                                                                                                           |
| RM                 | Grid height                                                                                                                     |
| RAM                | Overall frame dimension (of flush-fitting panels)<br>Min. = RM + 190 mm<br>Max. = RM + door section height                      |
| W                  | Overall length with operator                                                                                                    |
| LF                 | Structural opening                                                                                                              |
| DE                 | Ceiling height<br><b>Note: The operator should be fitted 40 mm higher for dark coloured doors which are exposed to the sun.</b> |
| LDH                | Clear passage height<br>See table on page 88                                                                                    |
| GIM                | Inside garage dimension                                                                                                         |
| ET                 | Distance back                                                                                                                   |
| TB                 | Door leaf                                                                                                                       |
| BH                 | Panel height                                                                                                                    |
| LH                 | Track height                                                                                                                    |
| DM                 | Ceiling suspension, centre                                                                                                      |
| DH                 | Ceiling suspension, back                                                                                                        |
| FFL                | Finished floor level                                                                                                            |
| U                  | Front operator boom suspension                                                                                                  |

**Note**  
Before fitting a sectional door, the structural openings must be finished and the floors be laid and level. **The clearance for fitting and operation of the door must be complied with.**

For more detailed information, please see the fitting data or contact your Hörmann partner.

SIZES AND FITTING DATA

Doors with wicket door with ribbing

| Size range            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Door grid height (RM) | 3000 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2875 | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |      |      |      |      |
|                       | 2750 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2625 | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    |      |      |
|                       | 2500 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2375 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2250 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2205 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2125 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2080 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 2000 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 1955 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       | 1875 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|                       |      | 2250 | 2375 | 2500 | 2750 | 3000 | 3250 | 3500 | 3750 | 4000 | 4250 | 4500 | 4750 | 5000 |
| Door grid width (LZ)  |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

Wicket doors with ribbing

| Clear passage height |              | Lever height<br>from FFL |
|----------------------|--------------|--------------------------|
| Without glazing      | With glazing |                          |
| 1955                 | 1955         | 831                      |
| 1871                 | 1871         | 799                      |
| 2155                 | 2155         | 906                      |
| 2055                 | 2055         | 868                      |
| 1955                 | 1955         | 831                      |
| 1855                 | 1855         | 793                      |
| 2123                 | 2203         | 924                      |
| 2075                 | 2155         | 906                      |
| 1999                 | 2079         | 877                      |
| 1955                 | 2035         | 861                      |
| 1875                 | 1955         | 831                      |
| 1827                 | 1907         | 813                      |
| 1747                 | 1827         | 782                      |

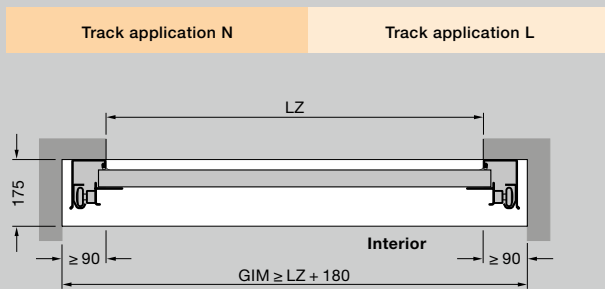
Doors with wicket door with panelling

| Size range            |      |      |      |      |      |      |      |      |      |
|-----------------------|------|------|------|------|------|------|------|------|------|
| Door grid height (RM) | 3000 |      |      |      |      |      |      |      |      |
|                       | 2875 | □    | □    | □    | □    | □    | □    | □    | □    |
|                       | 2750 | □    | □    | □    | □    | □    | □    | □    | □    |
|                       | 2625 | □    | □    | □    | □    | □    | □    | □    | □    |
|                       | 2500 |      |      |      |      |      |      |      |      |
|                       | 2375 |      |      |      |      |      |      |      |      |
|                       | 2250 |      |      |      |      |      |      |      |      |
|                       | 2205 | □    | □    | □    | □    | □    | □    | □    | □    |
|                       | 2125 |      |      |      |      |      |      |      |      |
|                       | 2080 | □    | □    | □    | □    | □    | □    | □    | □    |
|                       | 2000 |      |      |      |      |      |      |      |      |
|                       | 1955 | □    | □    | □    | □    | □    | □    | □    | □    |
|                       |      | 2250 | 2500 | 2750 | 3000 | 3250 | 3500 | 3750 | 4000 |
| Door grid width (LZ)  |      |      |      |      |      |      |      |      |      |

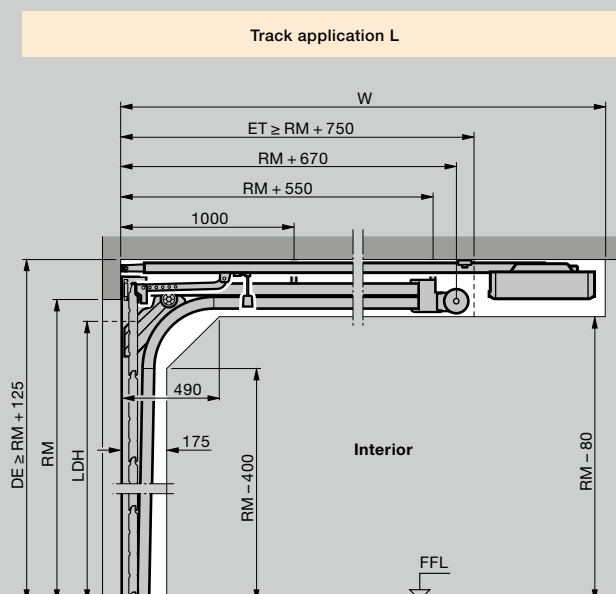
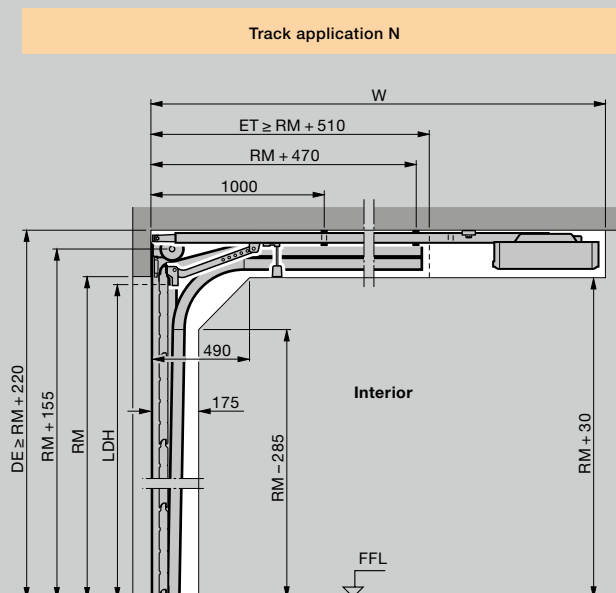
Wicket doors with panelling

| Clear passage height | Lever height<br>from FFL |
|----------------------|--------------------------|
| 1955                 | 831                      |
| 1871                 | 799                      |
| 2155                 | 906                      |
| 2055                 | 868                      |
| 1955                 | 831                      |
| 1855                 | 793                      |
| 2203                 | 924                      |
| 2155                 | 906                      |
| 2079                 | 877                      |
| 2035                 | 861                      |
| 1955                 | 831                      |
| 1907                 | 813                      |

Horizontal view



## Vertical views



Dimensions in mm

## Explanations

## Track applications

- |   |                                |
|---|--------------------------------|
| N | Normal track application       |
| L | Low headroom track application |

### Ordering sizes

- |     |                              |
|-----|------------------------------|
| LDB | Clear passage width          |
| LZ  | Clear frame dimension        |
| RM  | Grid height                  |
| W   | Overall length with operator |

- DE Ceiling height

Track application N:

- Manual operation  $\geq$  RM + 220 mm  
With operator  $\geq$  RM + 235 mm  
With operator and  
ThermoFrame  $\geq$  RM + 255 mm

Track application L:

- Manual operation  $\geq$  RM + 125 mm  
With operator  $\geq$  RM + 125 mm  
With operator and  
ThermoFrame  $\geq$  RM + 145 mm

- LDH      Clear passage height

Track application N with trip-free threshold

- Manual operation = RM – 160 mm  
With operator = RM – 100 mm

Track application L with trip-free threshold:

- Manual operation = RM - 160 mm  
With operator = RM - 160 mm

Track application N with threshold:

- Manual operation = RM – 100 mm  
With operator = RM – 70 mm

Track application L with threshold:

- Manual operation = RM – 150 mm  
With operator = RM – 120 mm

- |     |                         |
|-----|-------------------------|
| GIM | Inside garage dimension |
| ET  | Distance back           |
| FFL | Finished floor level    |

## Fitting with ThermoFrame

- Fitting with ThermoFrame  
LDB = LZ - 12 mm  
Fitting with ThermoFrame and frame  
covering (set 1-3)  
LDB = LZ - 15 mm

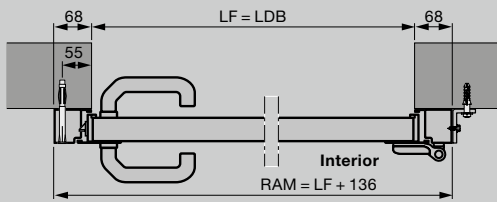
### Note

The opening height must not be less than the ordering size of the garage door (RM), otherwise the wicket door will not open.

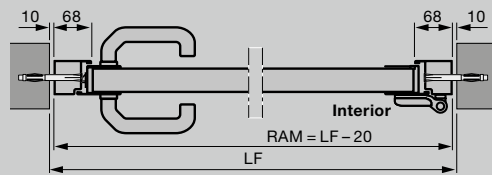
For more detailed information,  
please see the fitting data or contact  
your Hörmann partner.

## SIZES AND FITTING DATA FOR SIDE DOORS

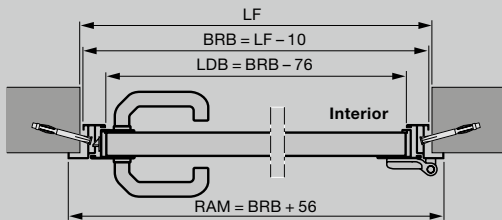
### Solid timber and steel side doors – horizontal views



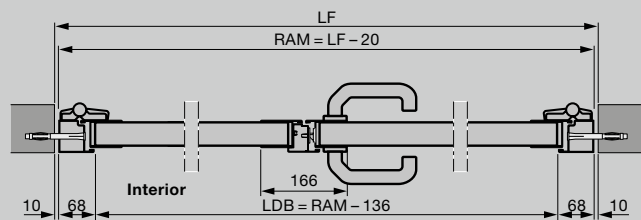
Side door with aluminium block frame, profile type 1  
Fitting behind the opening



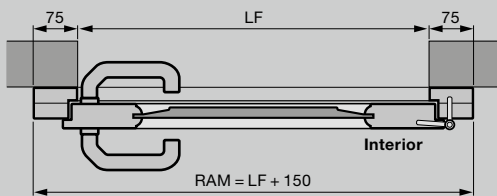
Side door with aluminium block frame, profile type 2  
Fitting in the opening



Side door with aluminium corner frame, profile type 1  
or 2  
Internal fitting



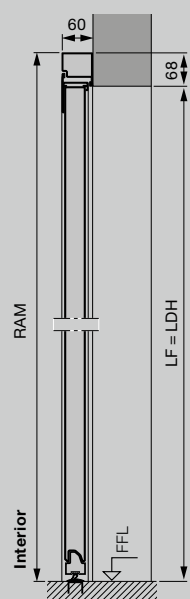
Double-leaf side door with aluminium block frame, profile type 2  
Fitting in the opening



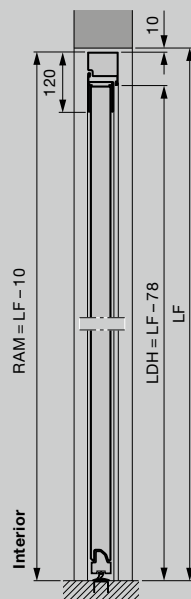
Solid timber side door  
Fitting behind the opening

- Double-leaf side door with asymmetrical division
- Double-leaf side door opening inwards and outwards

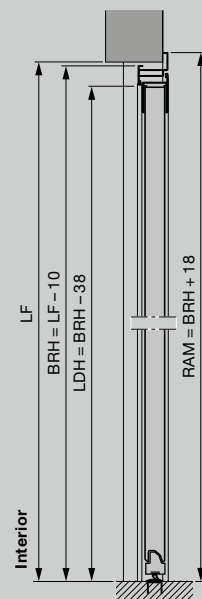
### Solid timber and steel side doors – vertical views



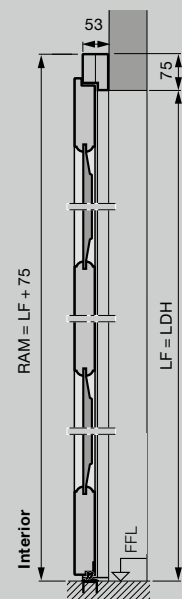
Side door with aluminium  
block frame, profile type 2  
Fitting behind the opening



Side door with aluminium  
block frame, profile type 2  
Fitting in the opening



Side door with aluminium  
corner frame, profile type 2  
External fitting



Solid timber side door  
Fitting behind the opening

## Steel side doors

### Profile type 1 (fitting behind the opening) with S-, M-, L-ribbing, S-panelled, block frame

| Structural opening       | Ordering size = RAM | Lever height* from FFL | Door section height B |
|--------------------------|---------------------|------------------------|-----------------------|
| 855 – 875 × 1990 – 2000  | 990 × 2058          | 955                    | 500                   |
| 855 – 875 × 2115 – 2125  | 990 × 2183          | 1010                   | 531                   |
| 980 – 1000 × 1990 – 2000 | 1115 × 2058         | 955                    | 500                   |
| 980 – 1000 × 2115 – 2125 | 1115 × 2183         | 1010                   | 531                   |

### Profile type 2 (fitting behind the opening) with S-, M-, L-, D-, T-ribbing, S-panelled, block frame

| Structural opening       | Ordering size = RAM | Lever height* from FFL | Door section height B |
|--------------------------|---------------------|------------------------|-----------------------|
| 855 – 875 × 1990 – 2000  | 990 × 2058          | 1050                   | 500                   |
| 855 – 875 × 2115 – 2125  | 990 × 2183          | 1050                   | 531                   |
| 980 – 1000 × 1990 – 2000 | 1115 × 2058         | 1050                   | 500                   |
| 980 – 1000 × 2115 – 2125 | 1115 × 2183         | 1050                   | 531                   |

### Profile type 2 (fitting in the opening) with S-, M-, L-, D-, T-ribbing, block frame

| Structural opening | Ordering size = RAM | Lever height* from FFL | Door section height B |
|--------------------|---------------------|------------------------|-----------------------|
| 875 × 2000         | 855 × 1990          | 1050                   | 500                   |
| 875 × 2125         | 855 × 2115          | 1050                   | 531                   |
| 1000 × 2000        | 980 × 1990          | 1050                   | 500                   |
| 1000 × 2125        | 980 × 2115          | 1050                   | 531                   |

### Profile type 1 (only opening inwards, internal fitting) with S-, M-, L-ribbing, S-panelled, corner frame

| Ordering size = BRM | Lever height* from FFL | Door section height B |
|---------------------|------------------------|-----------------------|
| 875 × 2000          | 955                    | 500                   |
| 875 × 2125          | 1010                   | 531                   |
| 1000 × 2000         | 955                    | 500                   |
| 1000 × 2125         | 1010                   | 531                   |

### Profile type 2 (internal or external fitting) with S-, M-, L-, D-, T-ribbing, corner frame

| Ordering size = BRM | Lever height* from FFL | Door section height B |
|---------------------|------------------------|-----------------------|
| 875 × 2000          | 1050                   | 500                   |
| 875 × 2125          | 1050                   | 531                   |
| 1000 × 2000         | 1050                   | 500                   |
| 1000 × 2125         | 1050                   | 531                   |

## Solid timber side doors

| Ordering size = RAM                                            | Structural opening       | Lever height* from FFL |
|----------------------------------------------------------------|--------------------------|------------------------|
| <b>Fitting behind the opening (S-, M-, L-ribbed, panelled)</b> |                          |                        |
| 1005 × 2190                                                    | 855 – 875 × 2115 – 2125  | 1050                   |
| 1130 × 2190                                                    | 980 – 1000 × 2115 – 2125 | 1050                   |
| <b>Fitting behind the opening (style 401, 403, 404, 405)</b>   |                          |                        |
| 1130 × 2190                                                    | 980 – 1000 × 2115 – 2125 | 1050                   |

Dimensions in mm

## Explanations

|    |                                    |
|----|------------------------------------|
| P1 | Profile type 1 (narrow leaf frame) |
| P2 | Profile type 2 (wide leaf frame)   |

|     |                         |
|-----|-------------------------|
| LDB | Clear passage width     |
| LDH | Clear passage height    |
| RAM | Overall frame dimension |
| LF  | Structural opening      |
| BRM | Nominal size            |
| BRB | Nominal size - width    |
| BRH | Nominal size - height   |
| FFL | Finished floor level    |

### Special sizes

Single-leaf side doors on request

Double-leaf side doors:

1330 – 2500 × 1960 – 2558 mm

\* You can find the lever heights for special sizes in the technical manual.

For more detailed information, please see the fitting data or contact your Hörmann partner.